

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035748.D
 Acq On : 18 May 2023 17:32
 Operator : JC/MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: May 19 06:27:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 19 06:25:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	190644	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	351569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149451	44.936	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.880%		
35) Dibromofluoromethane	5.385	113	97095	40.952	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.900%		
50) Toluene-d8	8.647	98	350431	40.008	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.020%#		
62) 4-Bromofluorobenzene	11.079	95	137662	39.034	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	78.060%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	524	0.211	ug/l	84
3) Chloromethane	1.294	50	950	0.315	ug/l	90
4) Vinyl Chloride	1.374	62	507	0.198	ug/l	# 58
5) Bromomethane	1.618	94	589	0.425	ug/l	82
6) Chloroethane	1.697	64	583	0.376	ug/l	93
7) Trichlorofluoromethane	1.886	101	923	0.245	ug/l	# 77
8) Diethyl Ether	2.136	74	401	0.277	ug/l	# 48
9) 1,1,2-Trichlorotrifluo...	2.337	101	542	0.243	ug/l	97
10) Methyl Iodide	2.453	142	568	0.284	ug/l	# 88
11) Tert butyl alcohol	3.038	59	343m	0.585	ug/l	
12) 1,1-Dichloroethene	2.325	96	552	0.260	ug/l	# 67
13) Acrolein	2.246	56	681	0.978	ug/l	98
14) Allyl chloride	2.666	41	1150	0.253	ug/l	# 84
15) Acrylonitrile	3.081	53	1636	1.266	ug/l	99
16) Acetone	2.410	43	3482	2.436	ug/l	95
17) Carbon Disulfide	2.514	76	1153	0.225	ug/l	# 94
18) Methyl Acetate	2.709	43	1642	0.311	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	2018	0.239	ug/l	# 81
20) Methylene Chloride	2.788	84	1960	0.757	ug/l	# 78
21) trans-1,2-Dichloroethene	3.093	96	655	0.282	ug/l	# 77
22) Diisopropyl ether	3.751	45	2174	0.244	ug/l	# 55
23) Vinyl Acetate	3.727	43	6493	1.030	ug/l	# 86
24) 1,1-Dichloroethane	3.605	63	970	0.204	ug/l	# 81
25) 2-Butanone	4.593	43	2761	1.395	ug/l	# 88
26) 2,2-Dichloropropane	4.477	77	757	0.188	ug/l	80
27) cis-1,2-Dichloroethene	4.495	96	726	0.260	ug/l	87
28) Bromochloromethane	4.891	49	320	0.149	ug/l	# 48
29) Tetrahydrofuran	5.038	42	1628	1.309	ug/l	# 70
30) Chloroform	5.099	83	1273	0.261	ug/l	95
31) Cyclohexane	5.477	56	783m	0.186	ug/l	
32) 1,1,1-Trichloroethane	5.385	97	906	0.213	ug/l	# 23
36) 1,1-Dichloropropene	5.708	75	932	0.249	ug/l	# 70
37) Ethyl Acetate	4.721	43	1128	0.289	ug/l	# 79
38) Carbon Tetrachloride	5.684	117	761	0.215	ug/l	# 45
39) Methylcyclohexane	7.391	83	845	0.192	ug/l	# 80
40) Benzene	6.044	78	2508	0.240	ug/l	# 88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	583m	0.252	ug/l	
42) 1,2-Dichloroethane	6.086	62	1399	0.311	ug/l #	75
43) Isopropyl Acetate	6.342	43	1524	0.224	ug/l #	74
44) Trichloroethene	7.129	130	632	0.238	ug/l	87
45) 1,2-Dichloropropane	7.434	63	598	0.216	ug/l #	79
46) Dibromomethane	7.580	93	537	0.283	ug/l #	78
47) Bromodichloromethane	7.830	83	484	0.132	ug/l #	94
48) Methyl methacrylate	7.696	41	829	0.247	ug/l #	88
49) 1,4-Dioxane	7.738	88	183	2.535	ug/l #	66
51) 4-Methyl-2-Pentanone	8.574	43	4368	1.114	ug/l	92
52) Toluene	8.714	92	1523	0.230	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	728	0.183	ug/l #	72
54) cis-1,3-Dichloropropene	8.372	75	864	0.202	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	534	0.206	ug/l #	82
56) Ethyl methacrylate	9.122	69	941	0.224	ug/l	90
57) 1,3-Dichloropropane	9.305	76	1015	0.216	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	1762	0.824	ug/l	99
59) 2-Hexanone	9.433	43	3065	1.038	ug/l	92
60) Dibromochloromethane	9.525	129	360	0.145	ug/l	79
61) 1,2-Dibromoethane	9.616	107	610	0.223	ug/l	87
64) Tetrachloroethene	9.275	164	410	0.199	ug/l #	76
65) Chlorobenzene	10.079	112	1776	0.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	472	0.200	ug/l #	60
67) Ethyl Benzene	10.189	91	2559	0.203	ug/l #	85
68) m/p-Xylenes	10.299	106	2068	0.445	ug/l	95
69) o-Xylene	10.640	106	992	0.215	ug/l	82
70) Styrene	10.653	104	1681	0.226	ug/l	91
71) Bromoform	10.799	173	191	0.123	ug/l #	29
73) Isopropylbenzene	10.963	105	2591	0.228	ug/l	91
74) N-amyl acetate	10.842	43	1055	0.199	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	11.207	83	884	0.240	ug/l	93
76) 1,2,3-Trichloropropane	11.238	75	980m	0.297	ug/l	
77) Bromobenzene	11.195	156	679	0.263	ug/l	95
78) n-propylbenzene	11.305	91	2960	0.222	ug/l	93
79) 2-Chlorotoluene	11.366	91	1754	0.210	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	1834	0.190	ug/l	98
82) 4-Chlorotoluene	11.451	91	2270	0.236	ug/l	93
83) tert-Butylbenzene	11.707	119	2141	0.228	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	2101	0.217	ug/l	91
85) sec-Butylbenzene	11.890	105	2290	0.194	ug/l	99
86) p-Isopropyltoluene	12.012	119	1845	0.191	ug/l #	62
87) 1,3-Dichlorobenzene	11.969	146	1293	0.264	ug/l	91
88) 1,4-Dichlorobenzene	12.036	146	1525m	0.308	ug/l	
89) n-Butylbenzene	12.329	91	1717	0.195	ug/l	98
90) Hexachloroethane	12.536	117	194	0.132	ug/l	75
91) 1,2-Dichlorobenzene	12.335	146	1234	0.257	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.945	75	126	0.154	ug/l #	45
93) 1,2,4-Trichlorobenzene	13.591	180	671	0.232	ug/l	85
94) Hexachlorobutadiene	13.713	225	298	0.260	ug/l	90
95) Naphthalene	13.774	128	2010	0.203	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	836	0.294	ug/l	75

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Quant Title : SW846 8260
QLast Update : Fri May 19 06:25:15 2023
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023

Manual Integrations
APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#)=qualifier out of range (m)=manual integration (+)=signals summed						

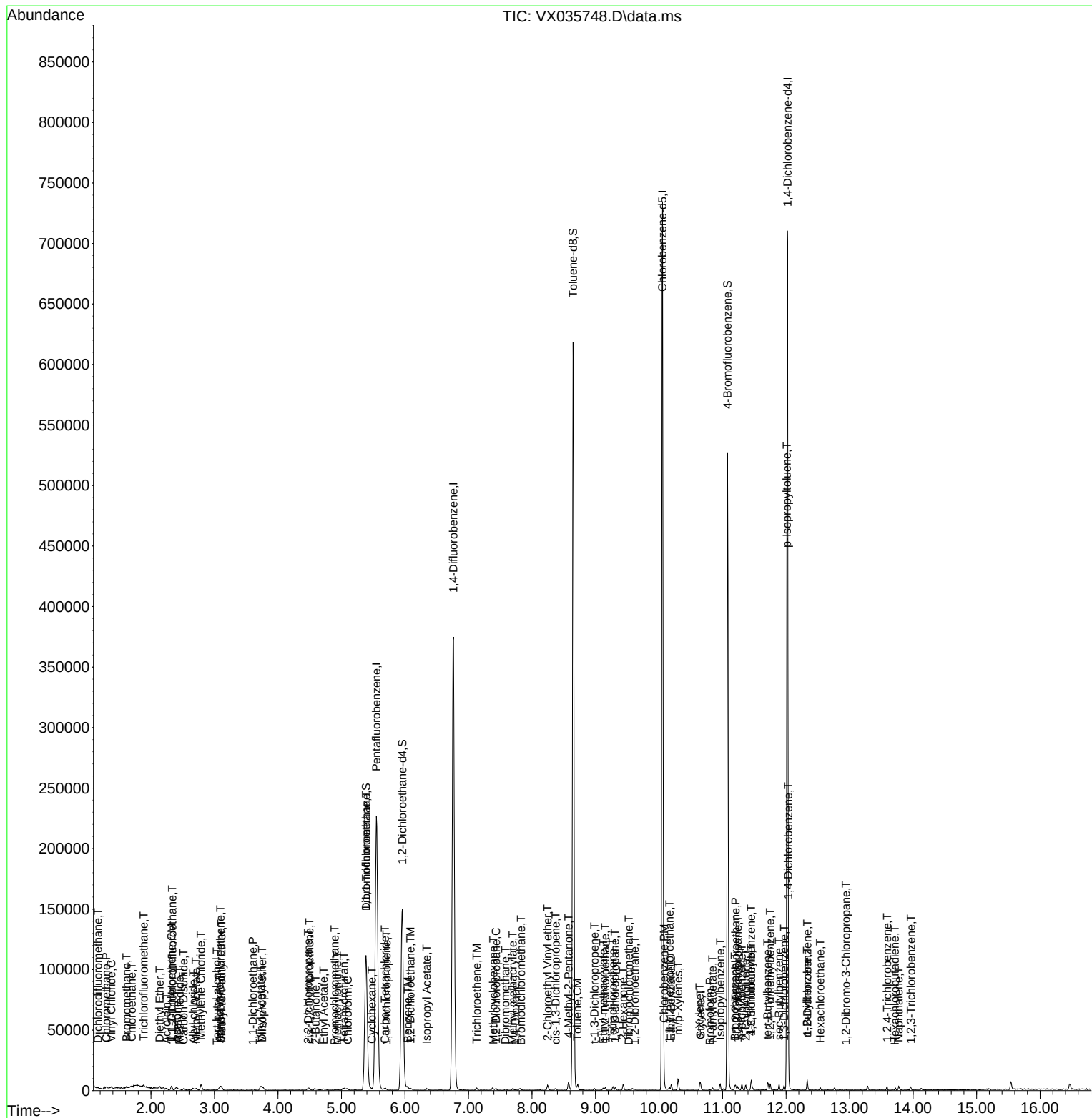
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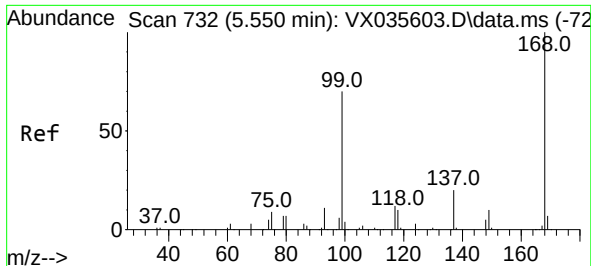
Instrument :
MSVOA_X
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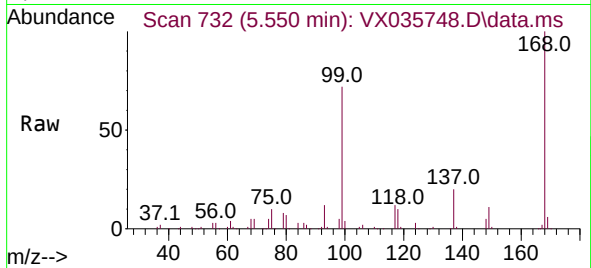
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035748.D
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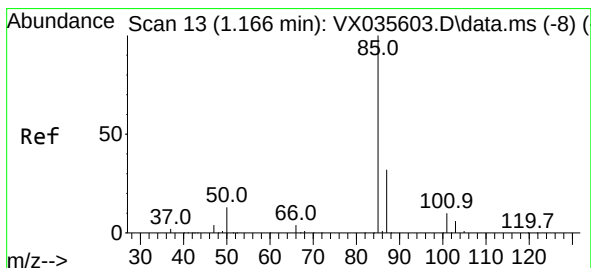
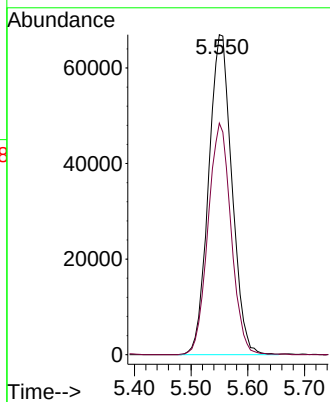
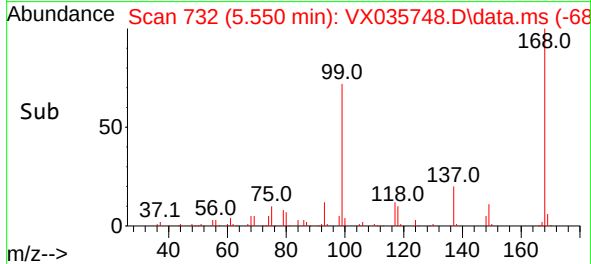
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion:168 Resp: 190644
Ion Ratio Lower Upper
168 100
99 72.4 45.7 68.5

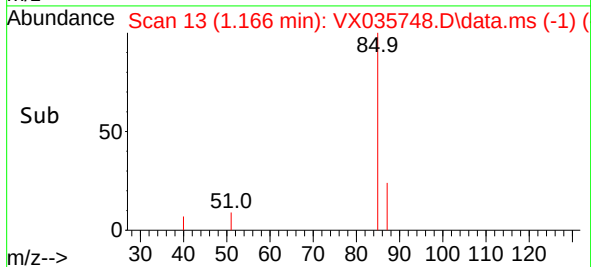
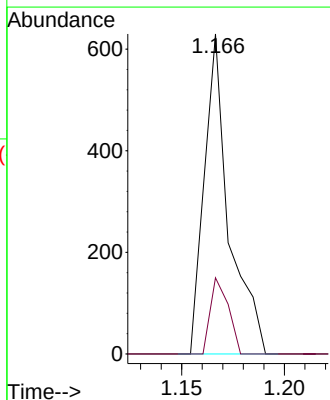
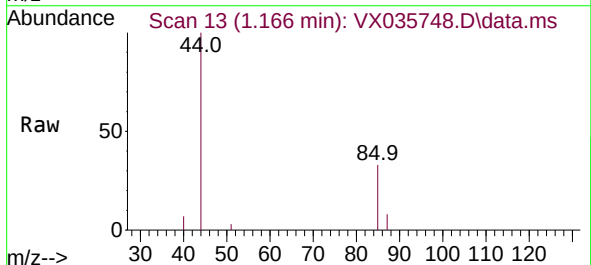
Manual Integrations
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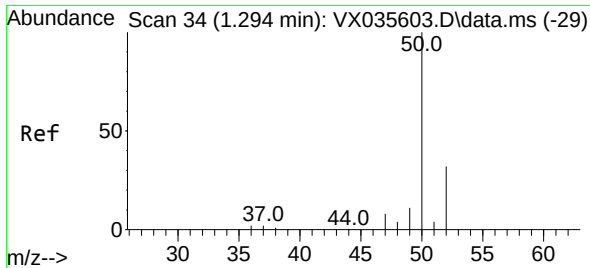
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#2
Dichlorodifluoromethane
Concen: 0.211 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

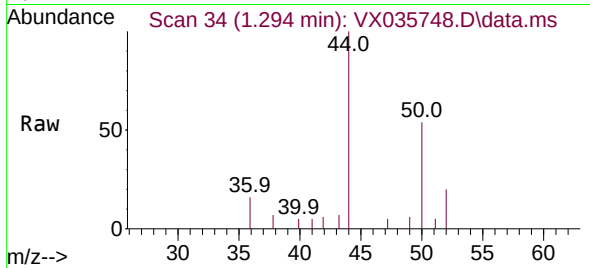
Tgt Ion: 85 Resp: 524
Ion Ratio Lower Upper
85 100
87 23.8 16.4 49.1





#3
Chloromethane
Concen: 0.315 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

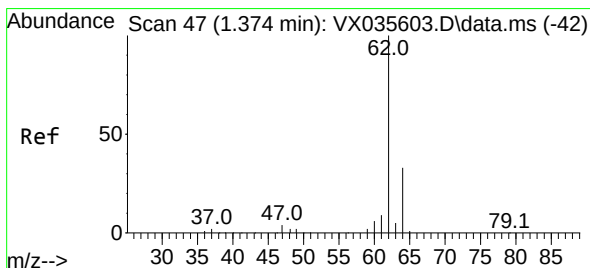
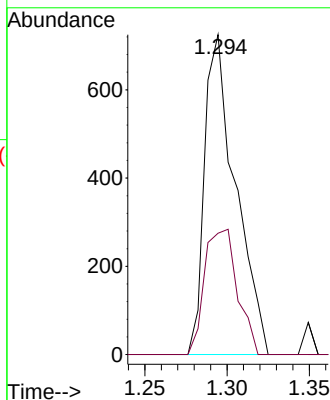
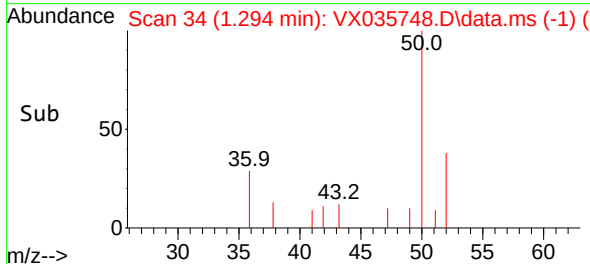
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion: 50 Resp: 950
Ion Ratio Lower Upper
50 100
52 37.9 25.9 38.9

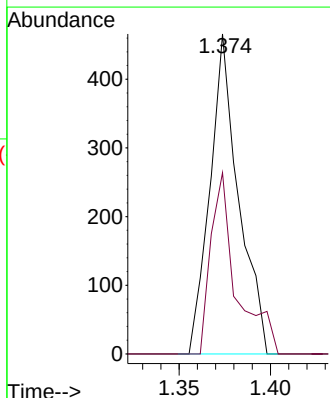
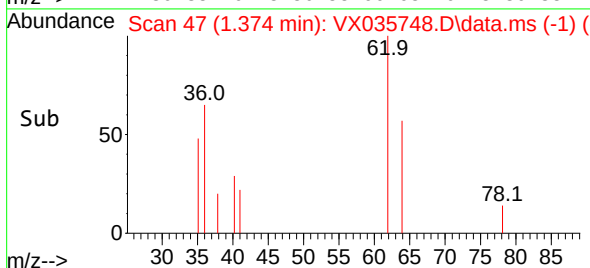
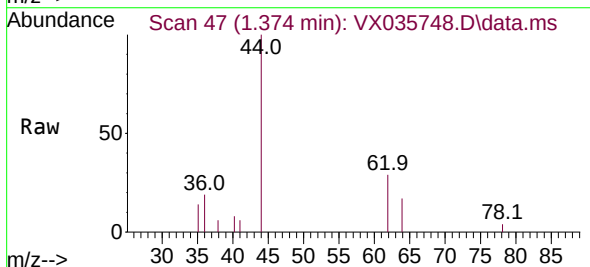
Manual Integrations
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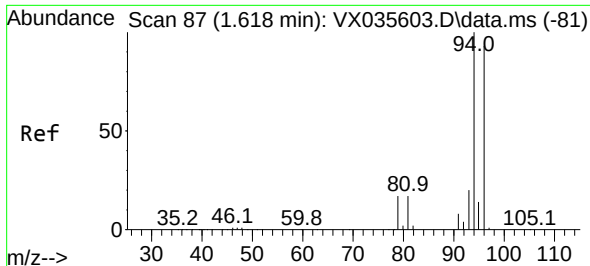
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#4
Vinyl Chloride
Concen: 0.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

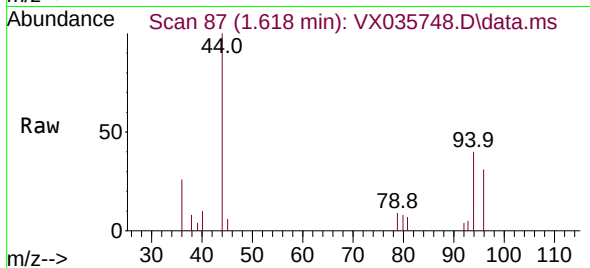
Tgt Ion: 62 Resp: 507
Ion Ratio Lower Upper
62 100
64 56.7 26.4 39.6





#5
Bromomethane
Concen: 0.425 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

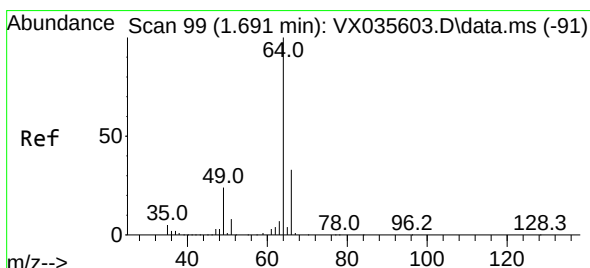
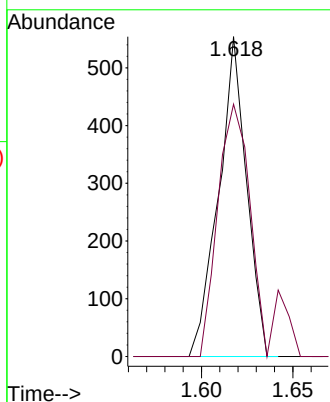
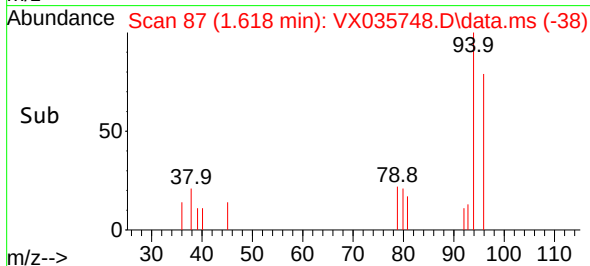
Instrument : MSVOA_X
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Tgt Ion: 94 Resp: 589
Ion Ratio Lower Upper
94 100
96 78.9 77.0 115.6

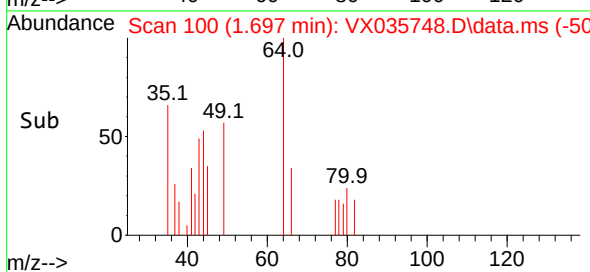
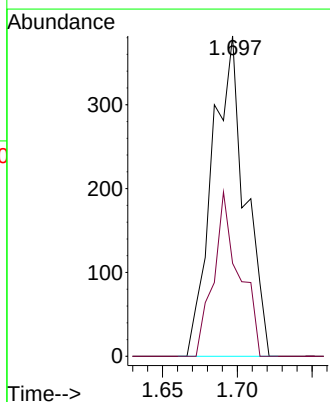
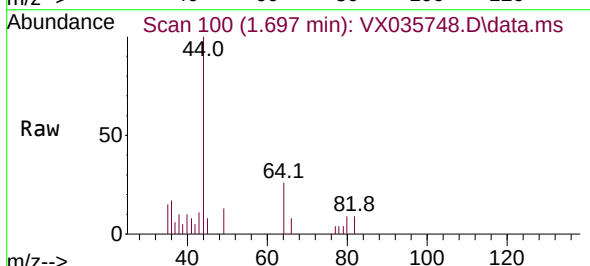
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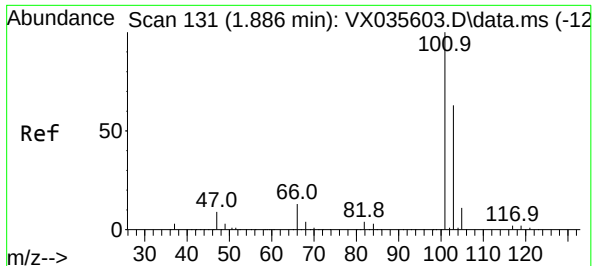
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#6
Chloroethane
Concen: 0.376 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

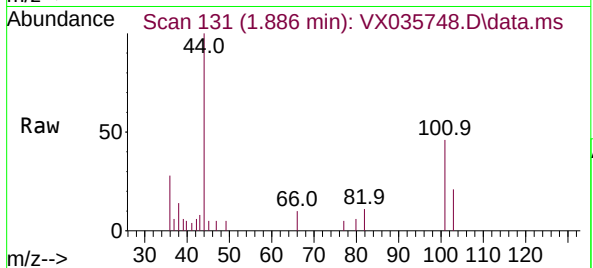
Tgt Ion: 64 Resp: 583
Ion Ratio Lower Upper
64 100
66 29.1 26.2 39.4





#7
Trichlorofluoromethane
Concen: 0.245 ug/l
RT: 1.886 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

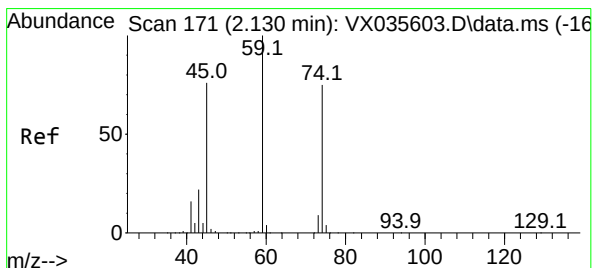
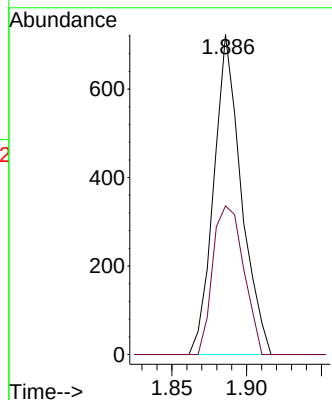
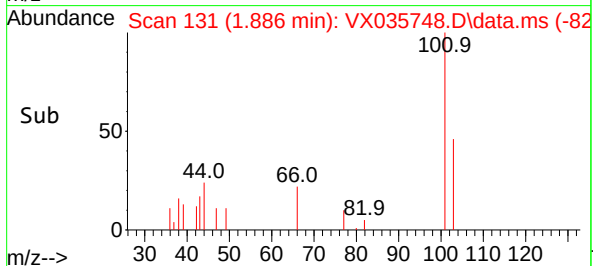
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:101 Resp: 92
Ion Ratio Lower Upper
101 100
103 46.5 52.0 78.0

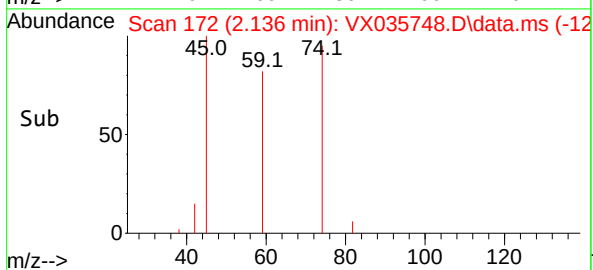
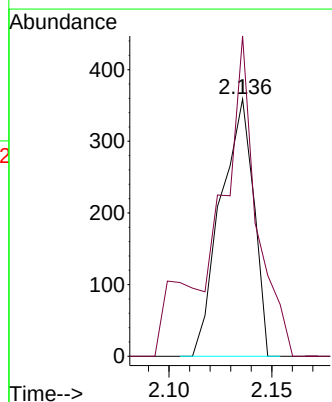
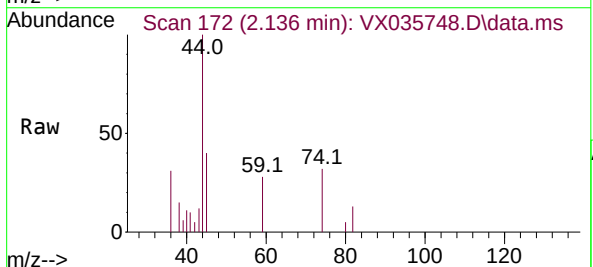
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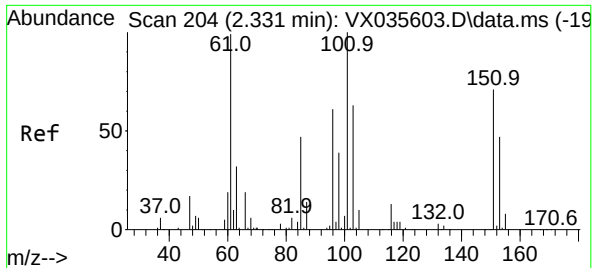
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#8
Diethyl Ether
Concen: 0.277 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

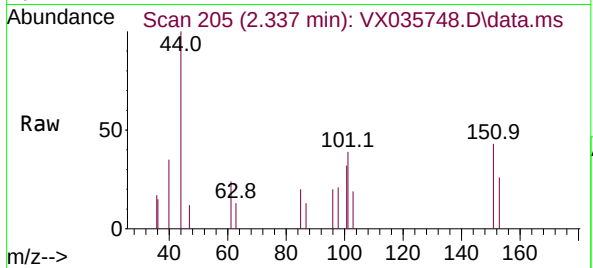
Tgt Ion: 74 Resp: 401
Ion Ratio Lower Upper
74 100
45 151.4 49.8 149.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.243 ug/l
RT: 2.337 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

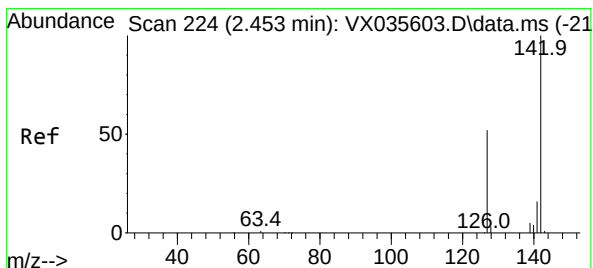
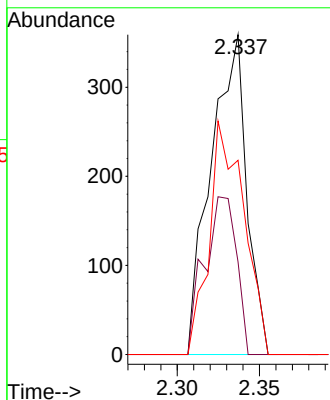
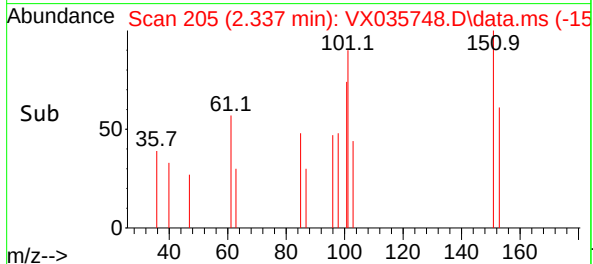
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



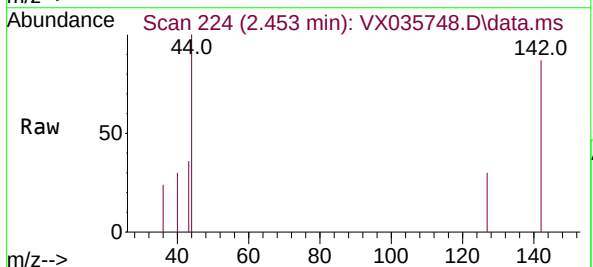
Tgt Ion:101 Resp: 542
Ion Ratio Lower Upper
101 100
85 44.3 35.4 53.2
151 70.7 60.2 90.4

Manual Integrations
APPROVED

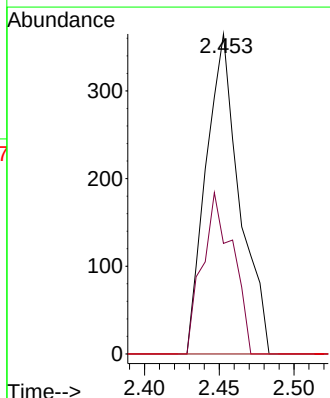
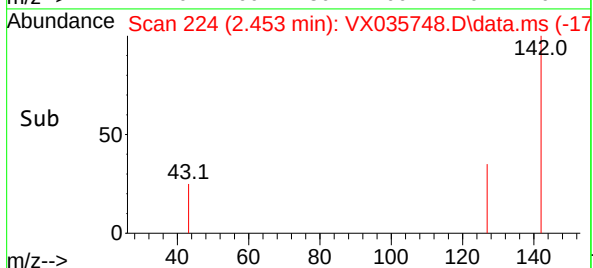
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

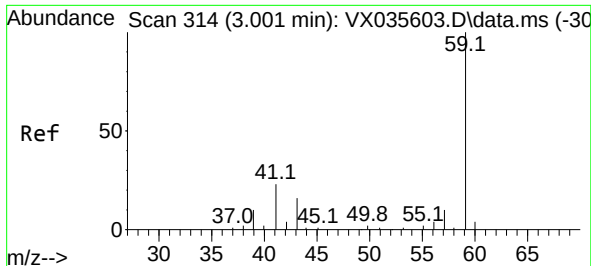


#10
Methyl Iodide
Concen: 0.284 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



Tgt Ion:142 Resp: 568
Ion Ratio Lower Upper
142 100
127 45.6 34.0 51.0
141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 0.585 ug/l m

RT: 3.038 min Scan# 31

Delta R.T. 0.037 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 59 Resp: 34

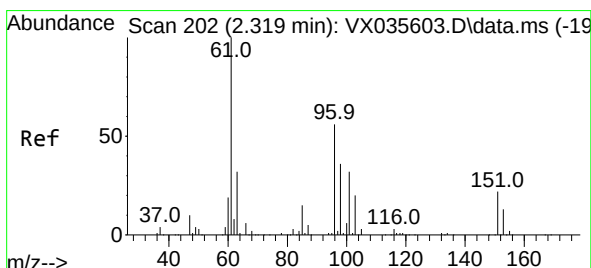
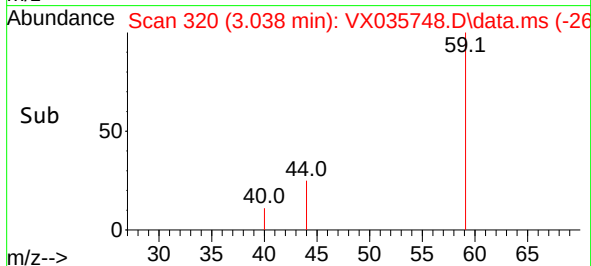
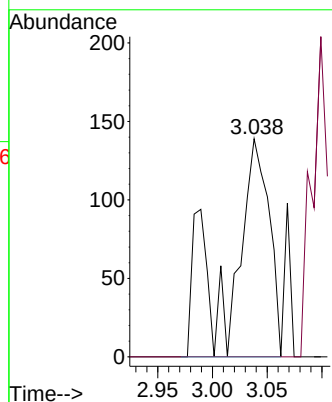
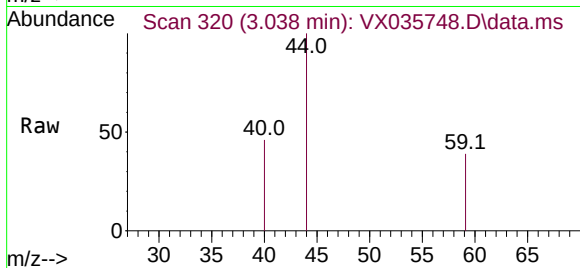
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#12

1,1-Dichloroethene

Concen: 0.260 ug/l

RT: 2.325 min Scan# 203

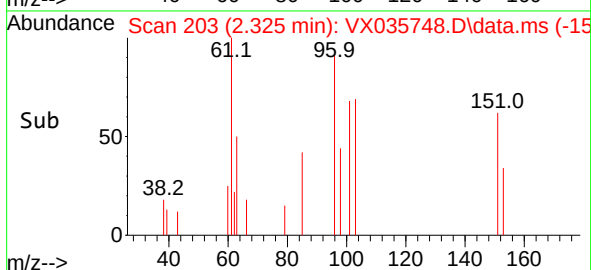
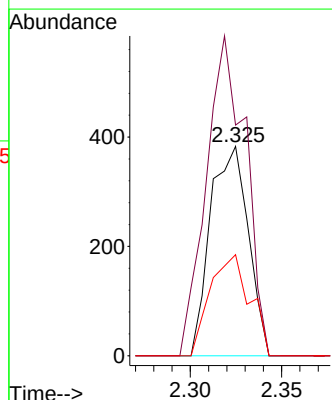
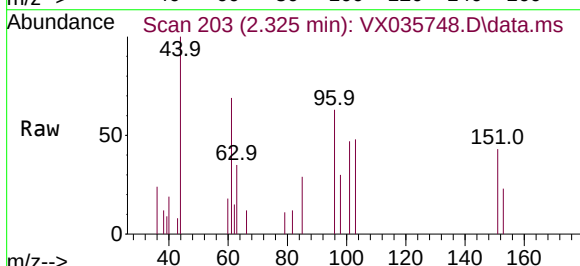
Delta R.T. 0.006 min

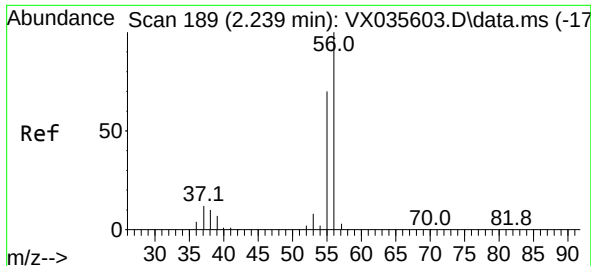
Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion: 96 Resp: 552

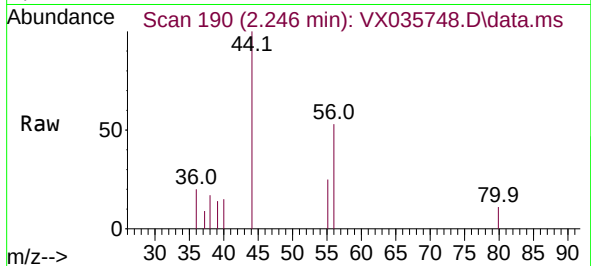
Ion	Ratio	Lower	Upper
96	100		
61	110.2	128.8	193.2#
98	48.3	51.4	77.0#





#13
Acrolein
Concen: 0.978 ug/l
RT: 2.246 min Scan# 189
Delta R.T. 0.007 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

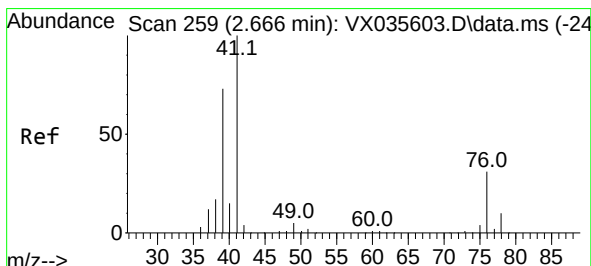
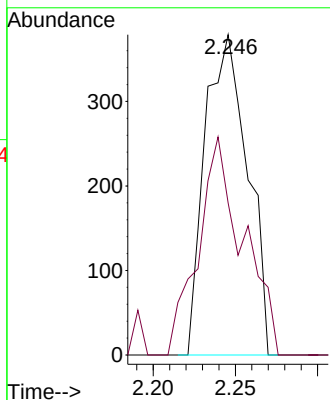
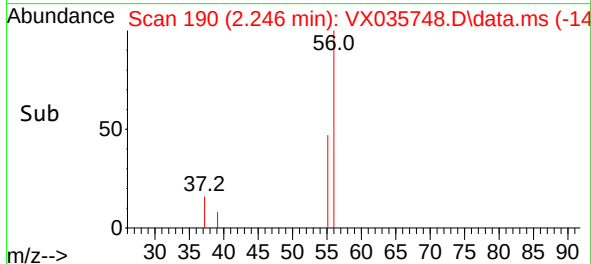
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



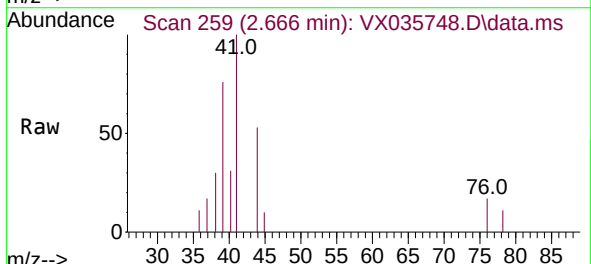
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 72.1 56.6 85.0

Manual Integrations
APPROVED

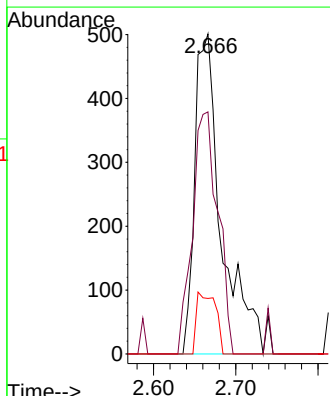
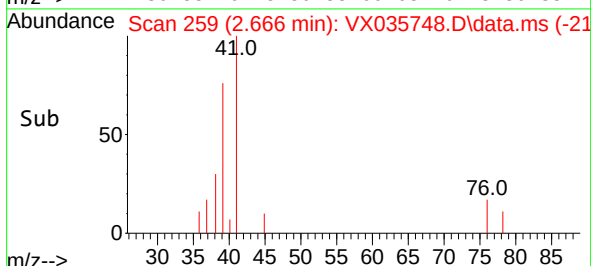
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

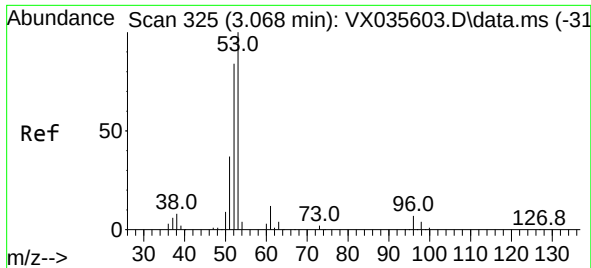


#14
Allyl chloride
Concen: 0.253 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



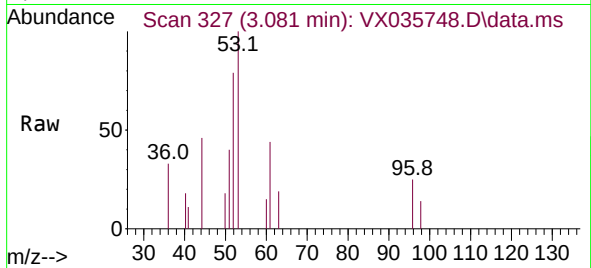
Tgt Ion: 41 Resp: 1150
Ion Ratio Lower Upper
41 100
39 70.7 52.4 78.6
76 13.5 26.0 39.0#





#15
Acrylonitrile
Concen: 1.266 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

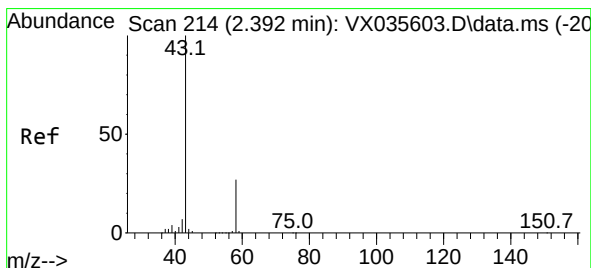
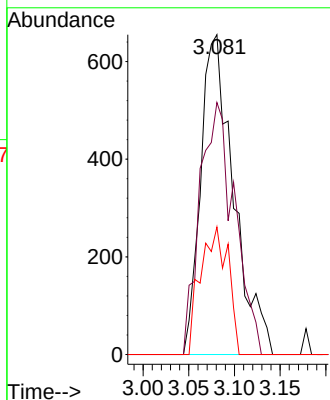
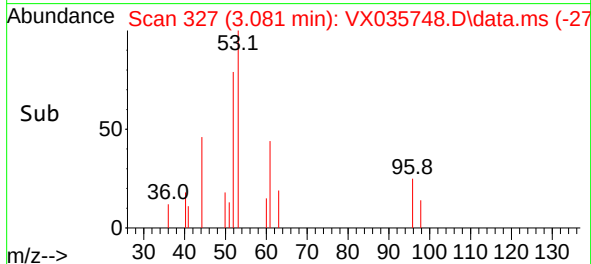
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



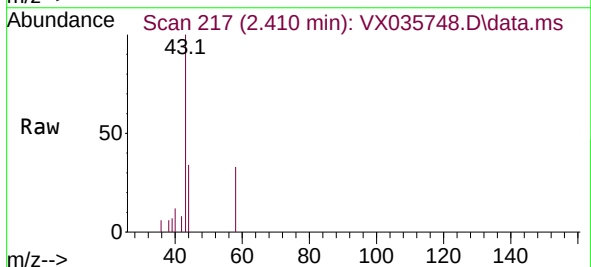
Tgt Ion: 53 Resp: 1630
Ion Ratio Lower Upper
53 100
52 83.0 66.2 99.2
51 33.5 28.3 42.5

Manual Integrations
APPROVED

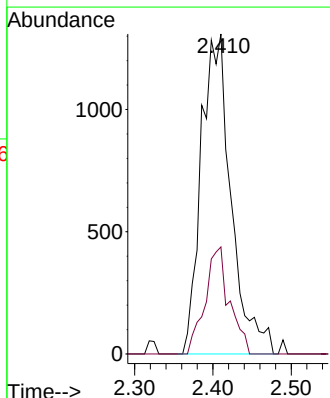
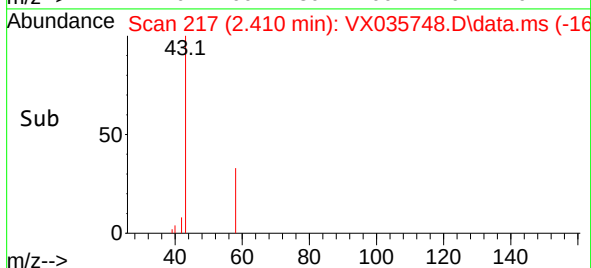
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

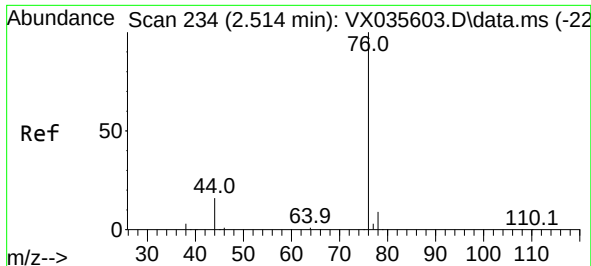


#16
Acetone
Concen: 2.436 ug/l
RT: 2.410 min Scan# 217
Delta R.T. 0.018 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



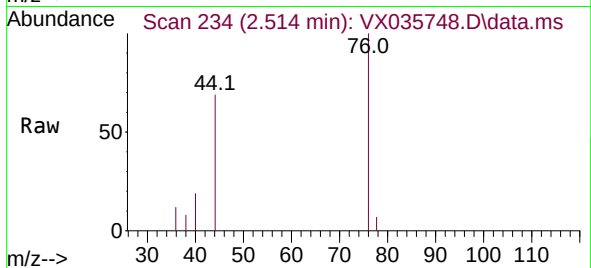
Tgt Ion: 43 Resp: 3482
Ion Ratio Lower Upper
43 100
58 33.5 24.7 37.1





#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

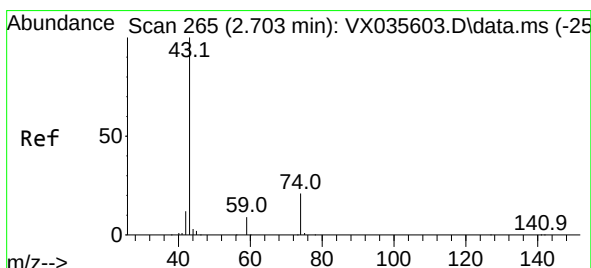
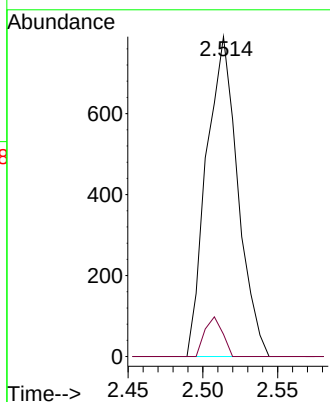
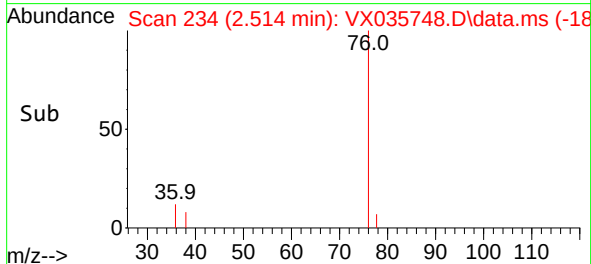
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



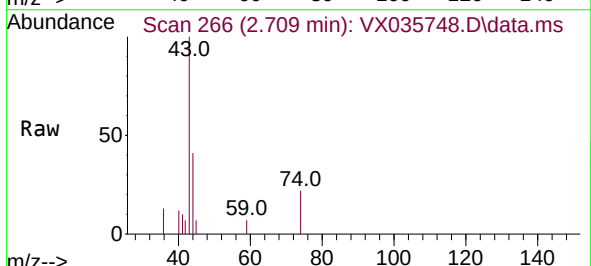
Tgt Ion: 76 Resp: 115
Ion Ratio Lower Upper
76 100
78 7.0 7.2 10.8

Manual Integrations
APPROVED

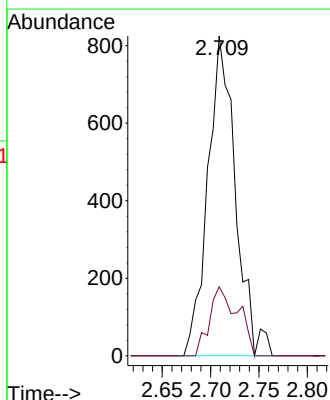
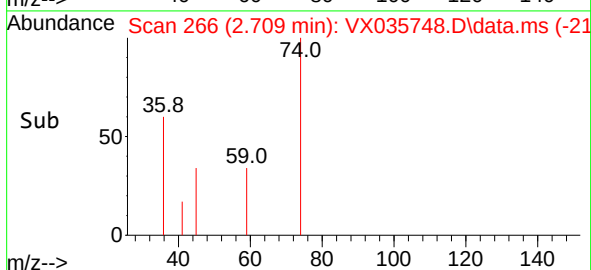
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

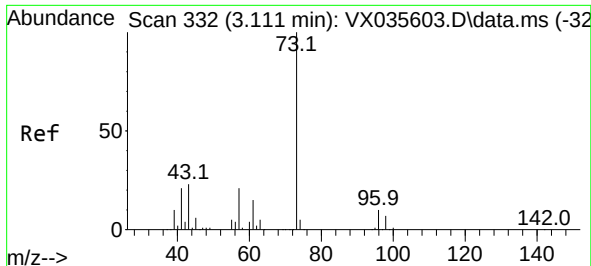


#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



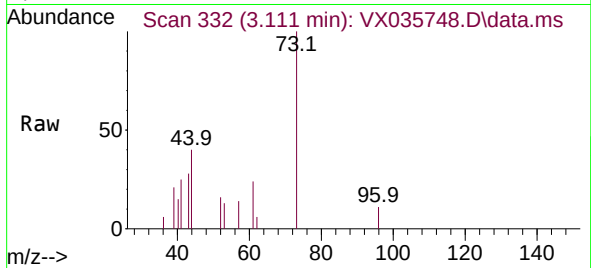
Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
74 22.1 18.3 27.5





#19
Methyl tert-butyl Ether
Concen: 0.239 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

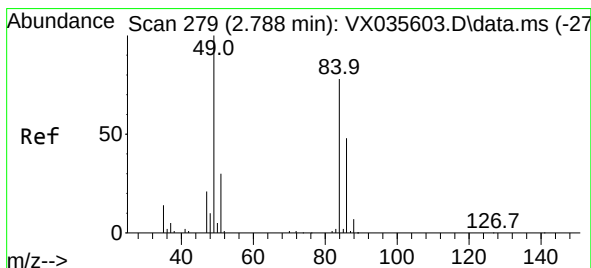
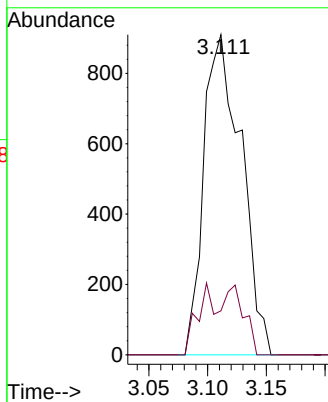
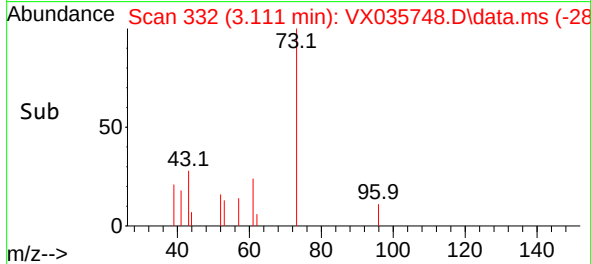
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 73 Resp: 2018
Ion Ratio Lower Upper
73 100
57 13.7 18.5 27.7

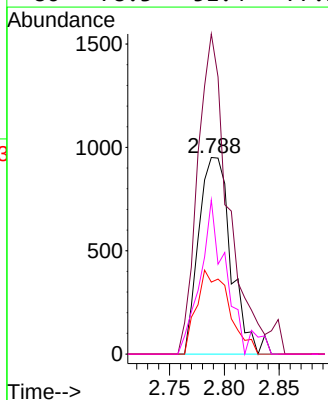
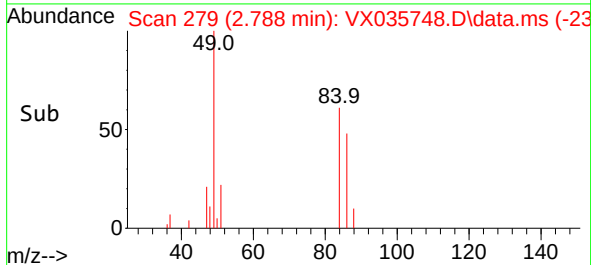
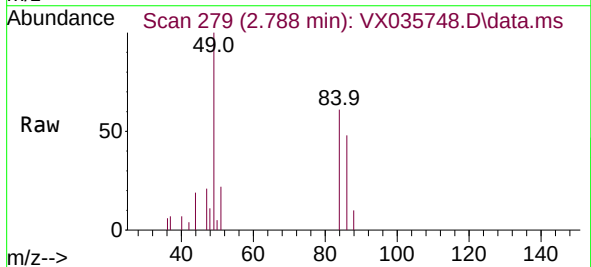
Manual Integrations
APPROVED

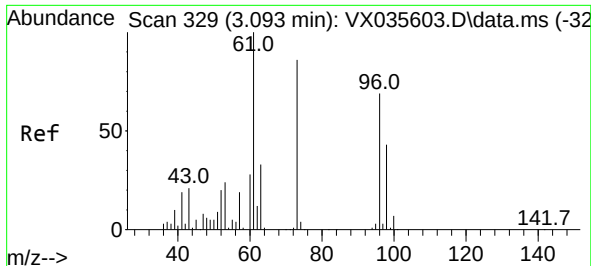
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#20
Methylene Chloride
Concen: 0.757 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

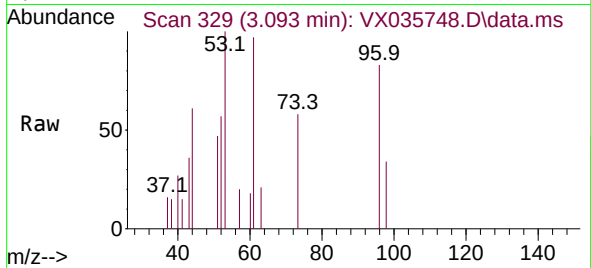
Tgt Ion: 84 Resp: 1960
Ion Ratio Lower Upper
84 100
49 162.9 103.8 155.8#
51 36.6 31.8 47.8
86 78.3 51.4 77.2#





#21
trans-1,2-Dichloroethene
Concen: 0.282 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

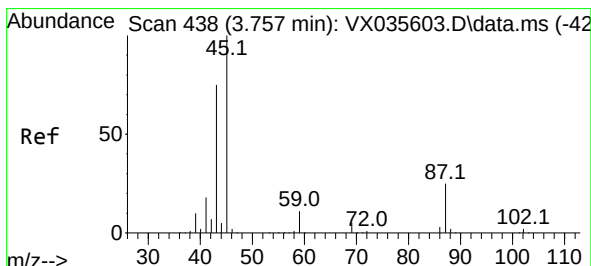
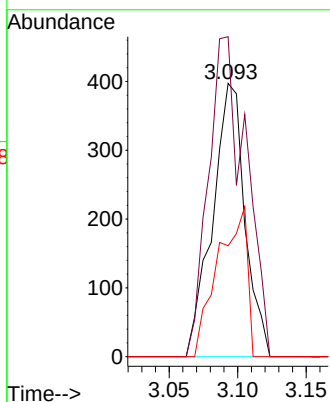
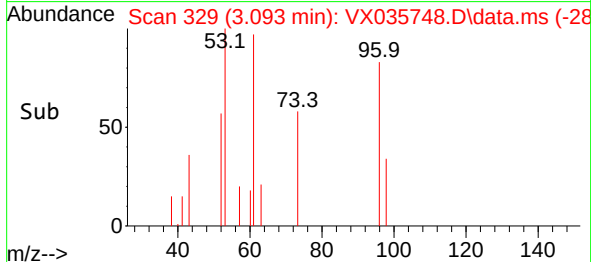
Instrument : MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 96 Resp: 65
Ion Ratio Lower Upper
96 100
61 117.1 113.0 169.6
98 40.6 52.1 78.1

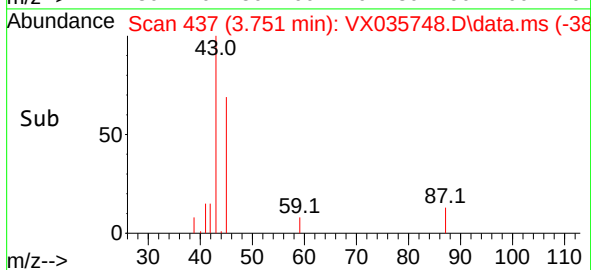
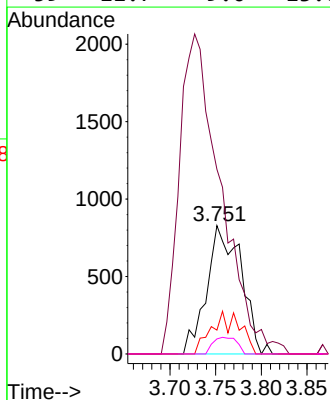
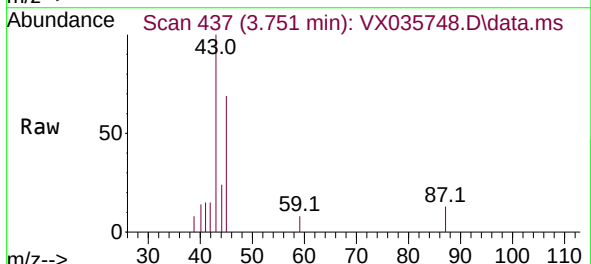
Manual Integrations
APPROVED

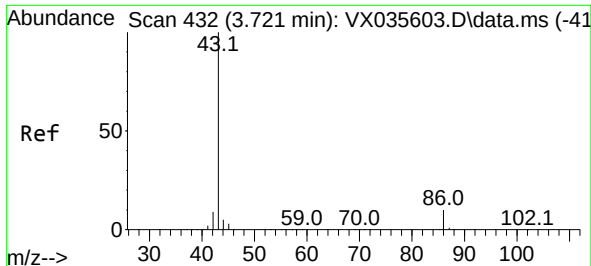
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#22
Diisopropyl ether
Concen: 0.244 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

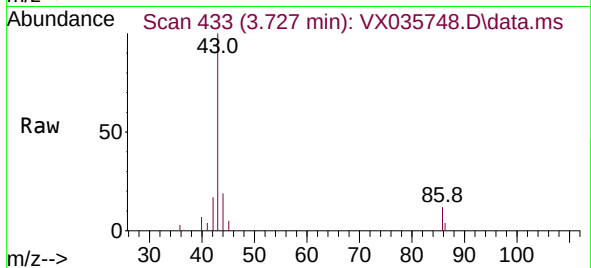
Tgt Ion: 45 Resp: 2174
Ion Ratio Lower Upper
45 100
43 135.5 65.4 98.2#
87 18.6 20.6 31.0#
59 11.7 9.0 13.6





#23
 Vinyl Acetate
 Concen: 1.030 ug/l
 RT: 3.727 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX035748.D
 Acq: 18 May 2023 17:32

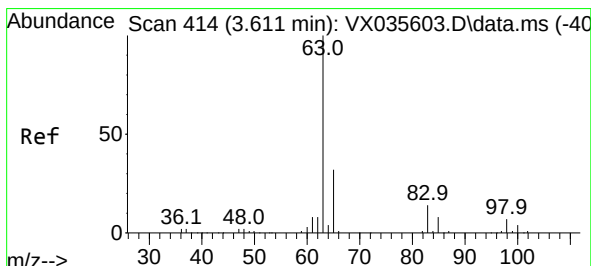
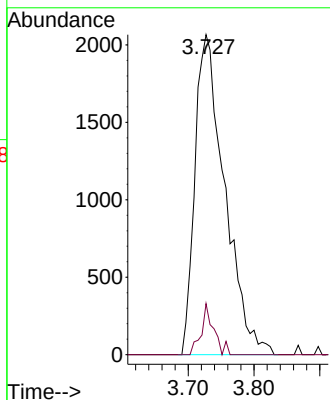
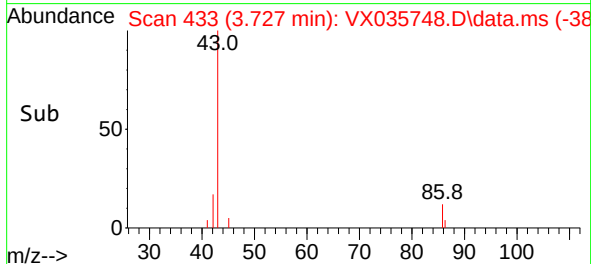
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2023



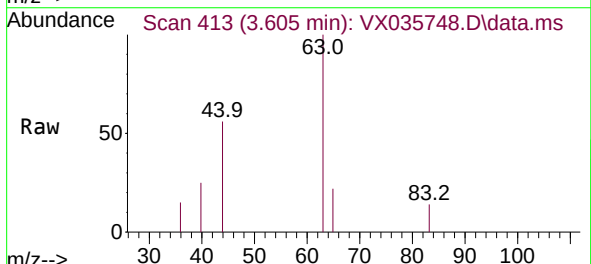
Tgt Ion: 43 Resp: 649
 Ion Ratio Lower Upper
 43 100
 86 16.0 8.5 12.7

Manual Integrations
 APPROVED

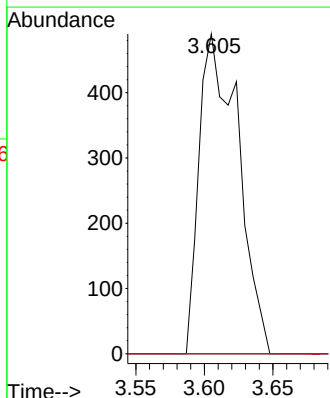
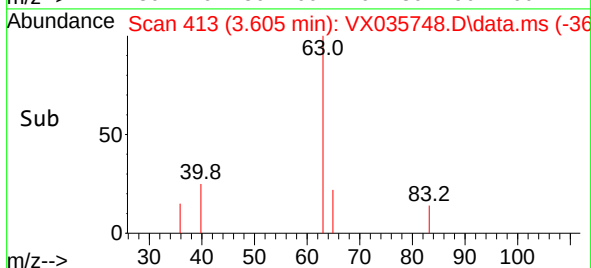
Reviewed By :John Carlone 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

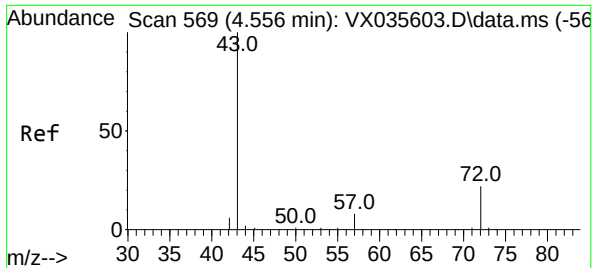


#24
 1,1-Dichloroethane
 Concen: 0.204 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.006 min
 Lab File: VX035748.D
 Acq: 18 May 2023 17:32



Tgt Ion: 63 Resp: 970
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.4 7.1#





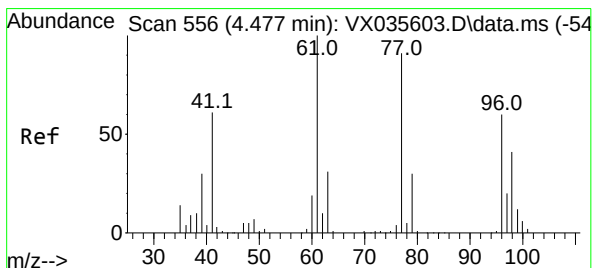
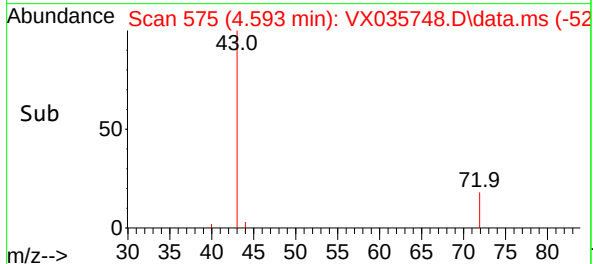
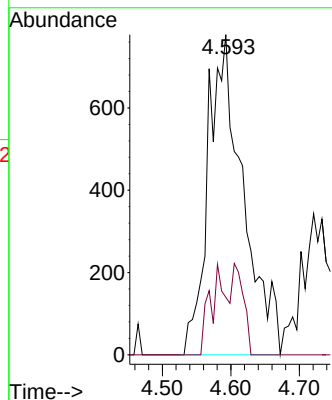
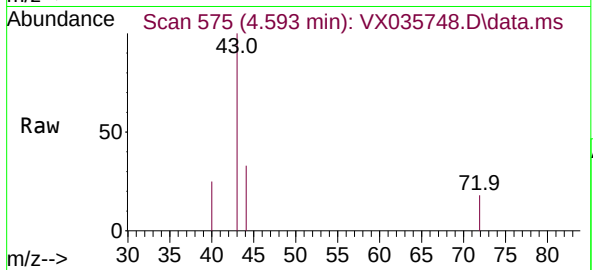
#25
2-Butanone
Concen: 1.395 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
72 18.0 19.3 28.9

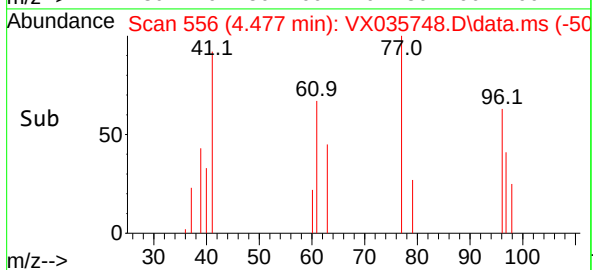
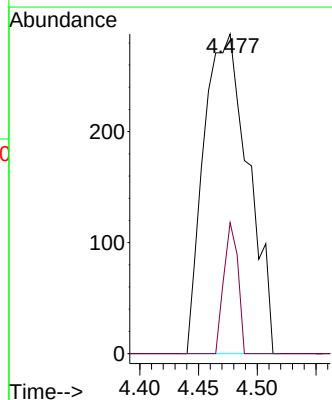
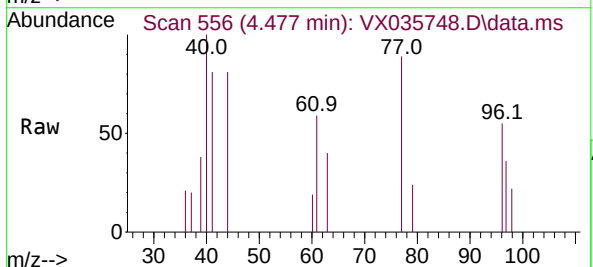
Manual Integrations
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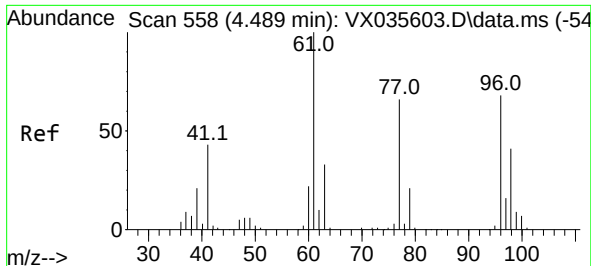
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#26
2,2-Dichloropropane
Concen: 0.188 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Tgt Ion: 77 Resp: 757
Ion Ratio Lower Upper
77 100
97 13.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 0.260 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 96 Resp: 720

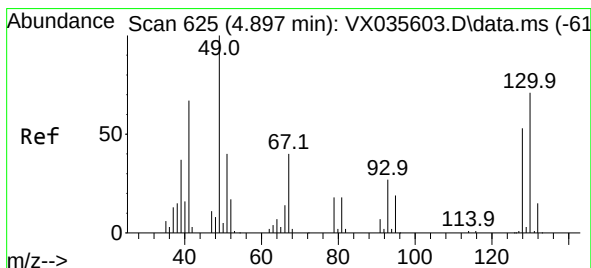
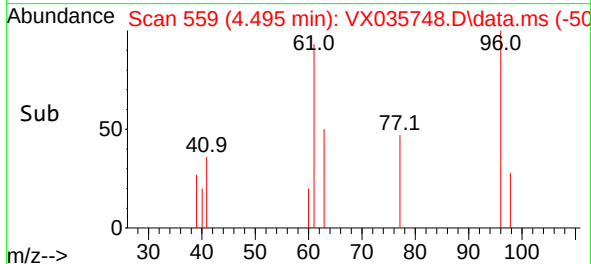
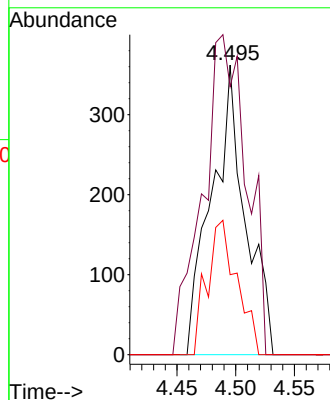
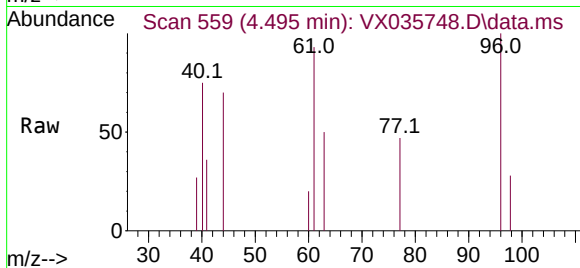
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	300.4
98	40.8	0.0	129.0

Manual Integrations

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Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#28

Bromochloromethane

Concen: 0.149 ug/l

RT: 4.891 min Scan# 624

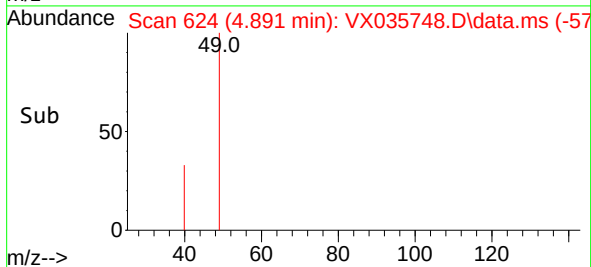
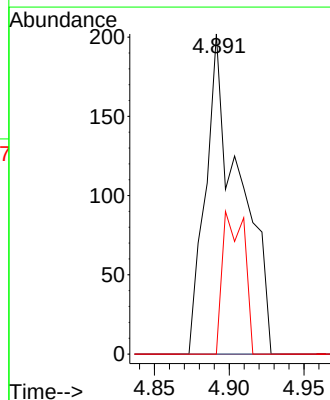
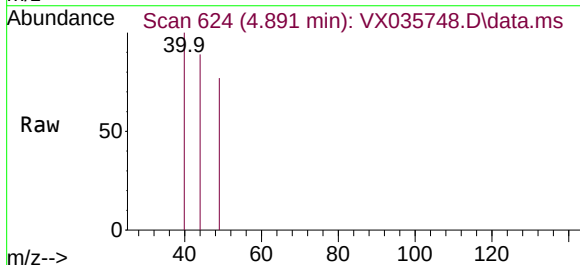
Delta R.T. -0.006 min

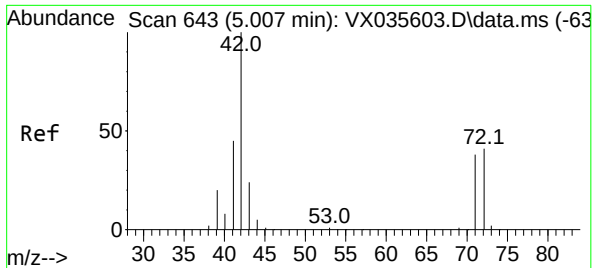
Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion: 49 Resp: 320

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	28.1	58.2	87.2#





#29

Tetrahydrofuran

Concen: 1.309 ug/l

RT: 5.038 min Scan# 643

Delta R.T. 0.031 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

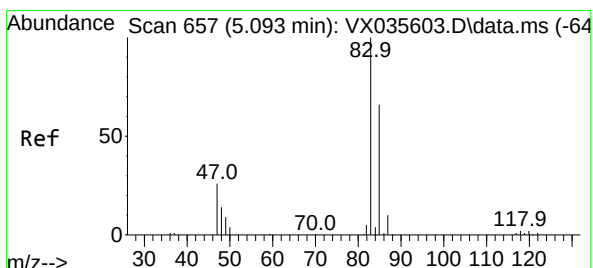
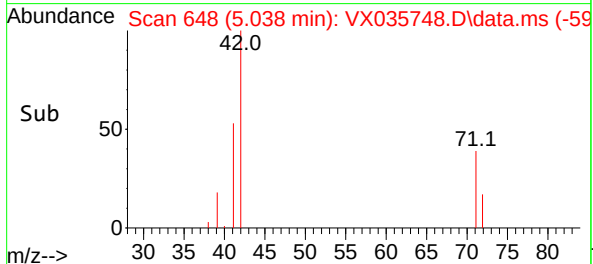
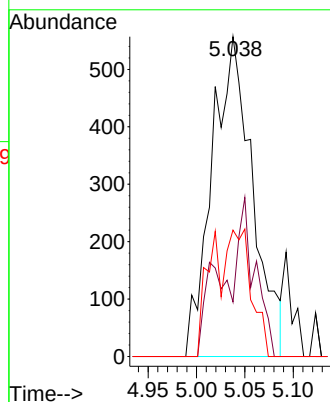
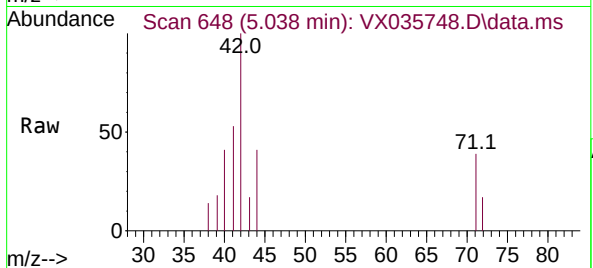
Tgt Ion: 42	Resp: 1628
Ion Ratio	Lower Upper
42 100	
72 21.1	34.5 51.7
71 24.3	32.1 48.1

Manual Integrations

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Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#30

Chloroform

Concen: 0.261 ug/l

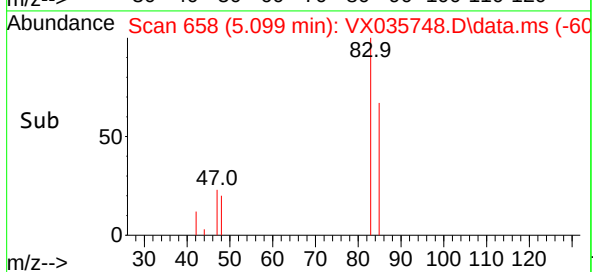
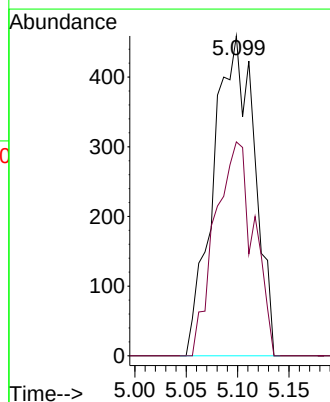
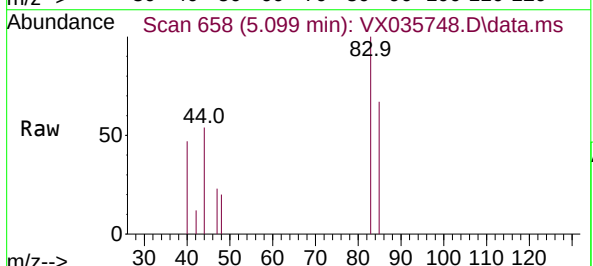
RT: 5.099 min Scan# 658

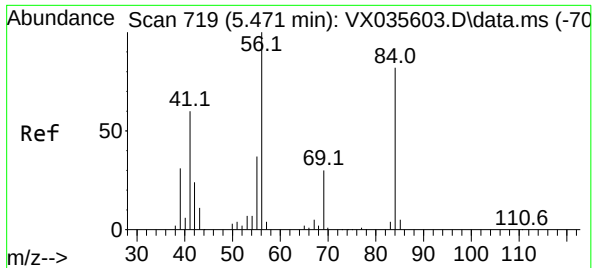
Delta R.T. 0.006 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

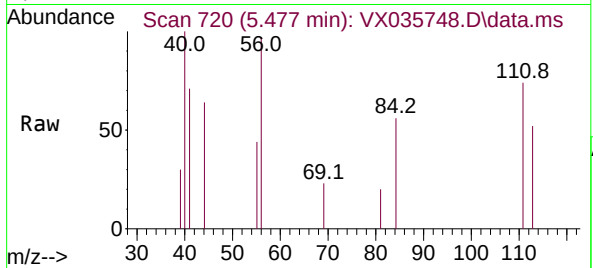
Tgt Ion: 83	Resp: 1273
Ion Ratio	Lower Upper
83 100	
85 66.9	50.6 76.0





#31
Cyclohexane
Concen: 0.186 ug/l m
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

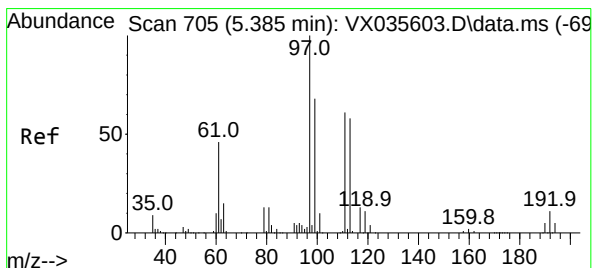
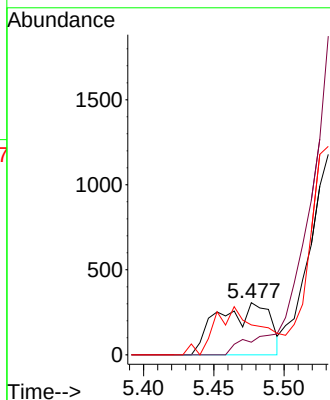
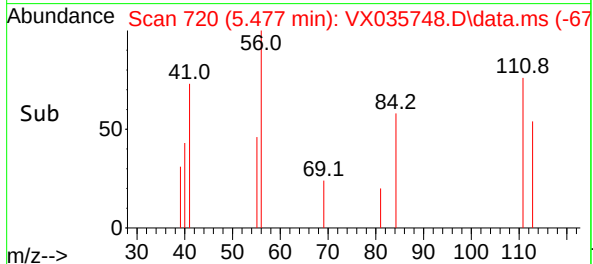
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



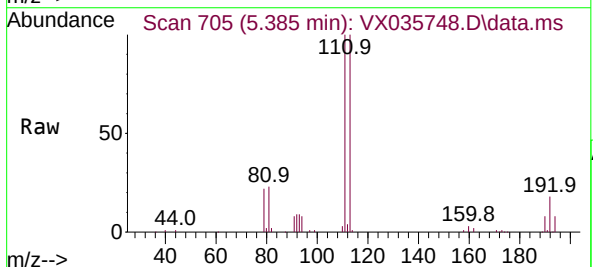
Tgt Ion: 56 Resp: 783
Ion Ratio Lower Upper
56 100
69 24.2 23.7 35.5
84 57.5 68.5 102.7

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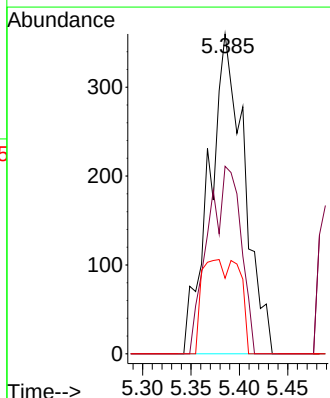
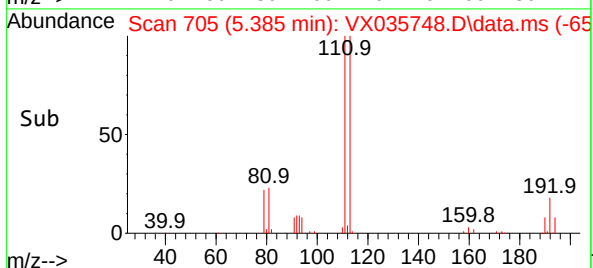
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

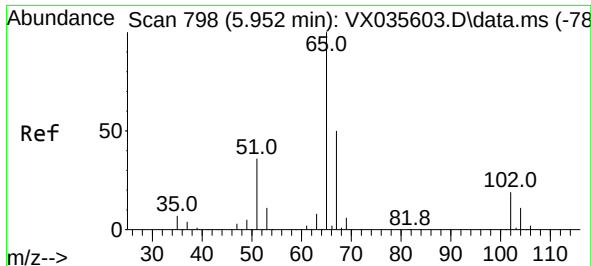


#32
1,1,1-Trichloroethane
Concen: 0.213 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



Tgt Ion: 97 Resp: 906
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 0.0 36.5 54.7#





#33

1,2-Dichloroethane-d4

Concen: 44.936 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 65 Resp: 14945

Ion Ratio Lower Upper

65 100

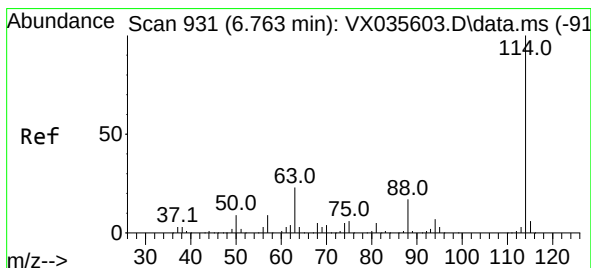
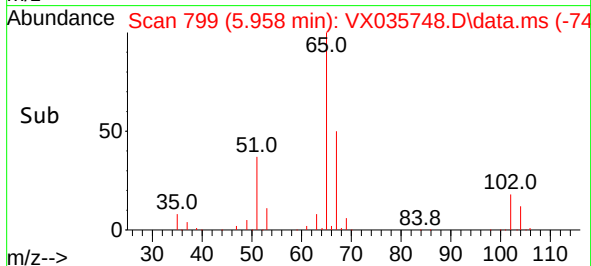
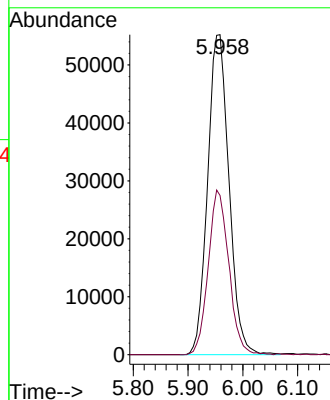
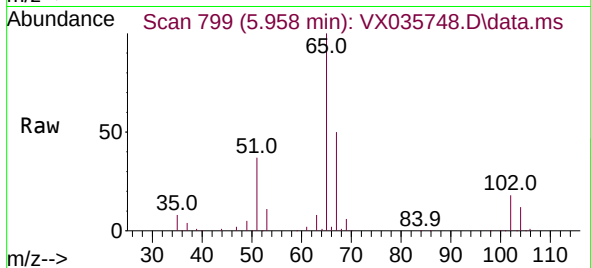
67 49.5 0.0 104.0

Manual Integrations

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Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

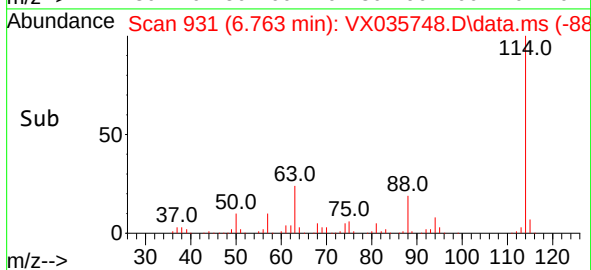
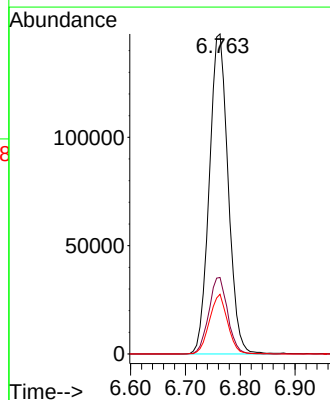
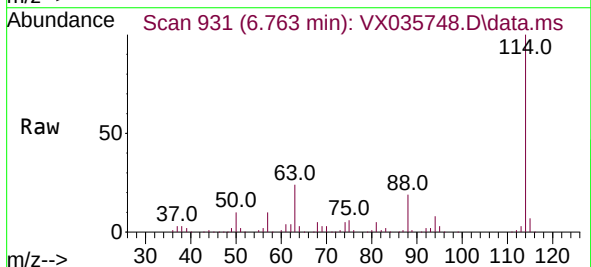
Tgt Ion:114 Resp: 351569

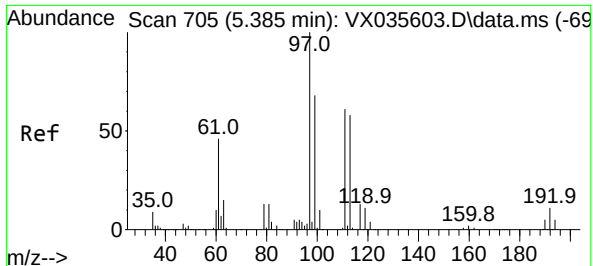
Ion Ratio Lower Upper

114 100

63 23.9 0.0 42.2

88 18.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 40.952 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

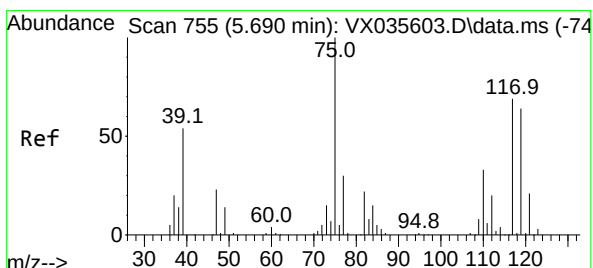
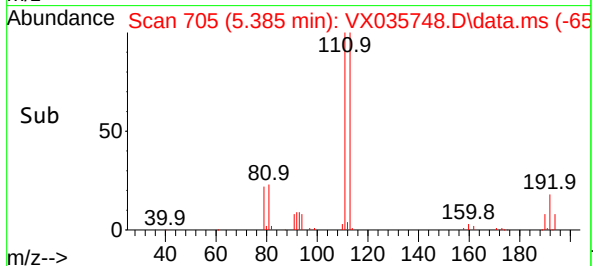
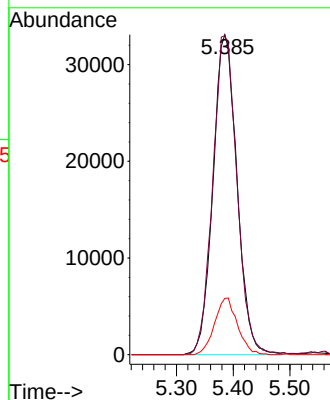
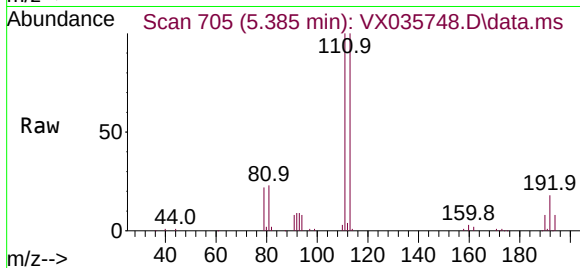
Tgt Ion:	113	Resp:	9709
Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.7	125.5
192	16.9	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#36

1,1-Dichloropropene

Concen: 0.249 ug/l

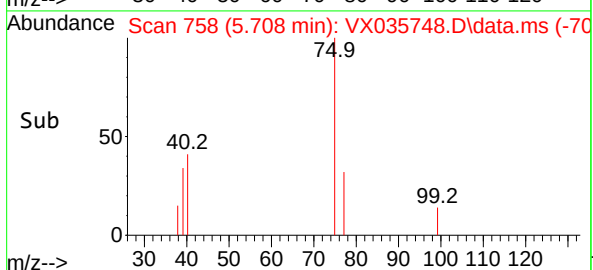
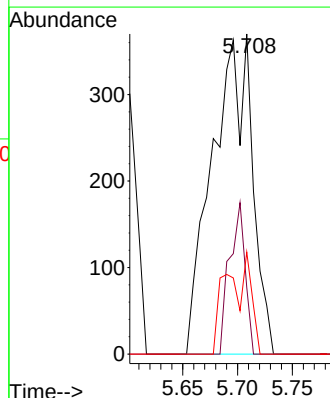
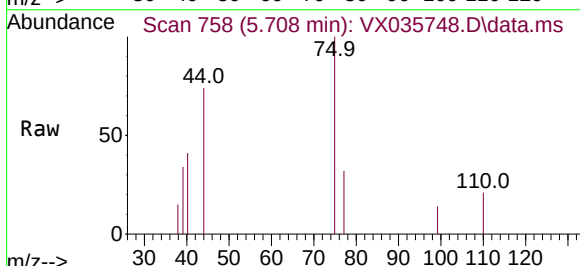
RT: 5.708 min Scan# 758

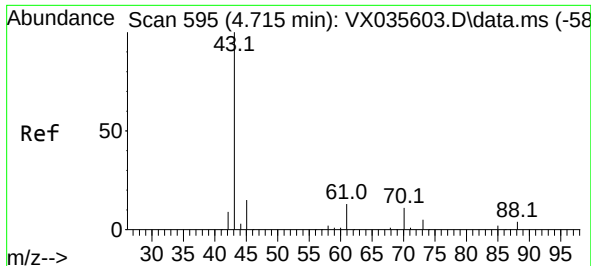
Delta R.T. 0.018 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion:	75	Resp:	932
Ion	Ratio	Lower	Upper
75	100		
110	18.7	17.5	52.5
77	12.4	24.3	36.5





#37

Ethyl Acetate

Concen: 0.289 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 43 Resp: 1128

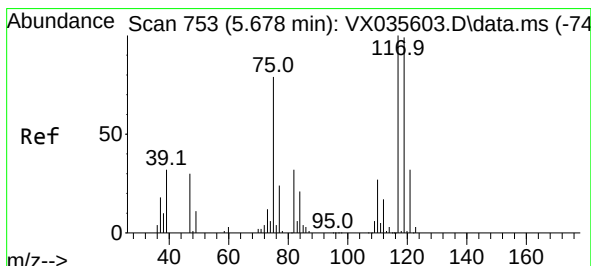
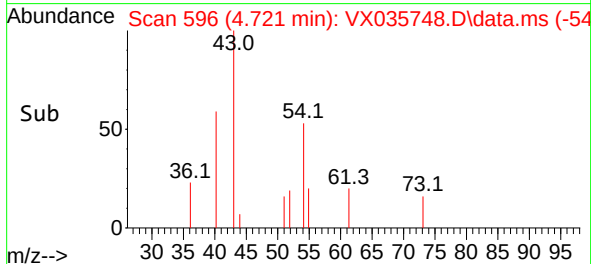
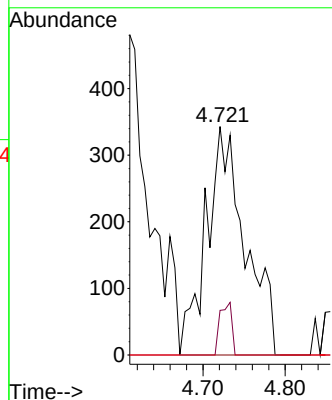
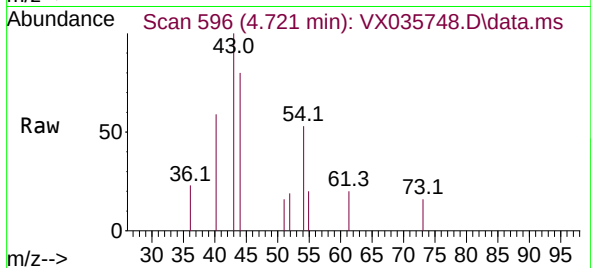
Ion	Ratio	Lower	Upper
43	100		
61	6.9	10.2	15.4
70	0.0	8.2	12.4

Manual Integrations

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Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#38

Carbon Tetrachloride

Concen: 0.215 ug/l

RT: 5.684 min Scan# 754

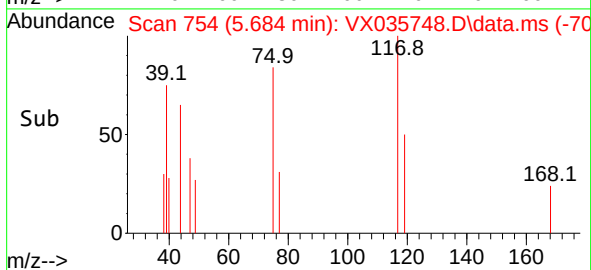
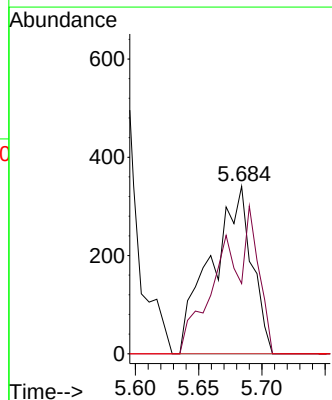
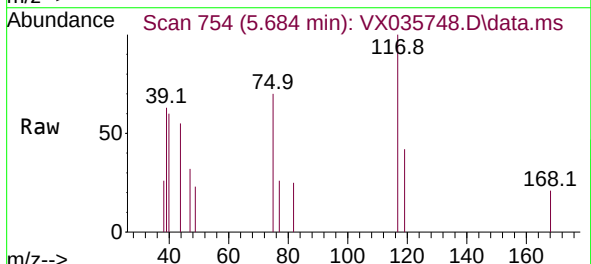
Delta R.T. 0.006 min

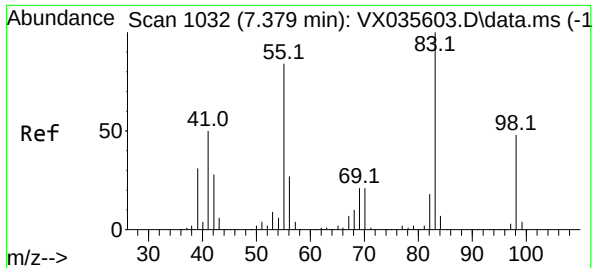
Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion:117 Resp: 761

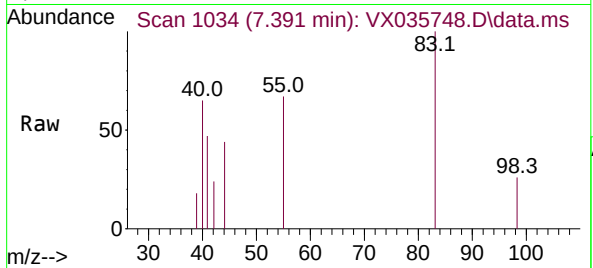
Ion	Ratio	Lower	Upper
117	100		
119	41.9	76.6	114.8
121	0.0	23.8	35.6





#39
Methylcyclohexane
Concen: 0.192 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.012 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

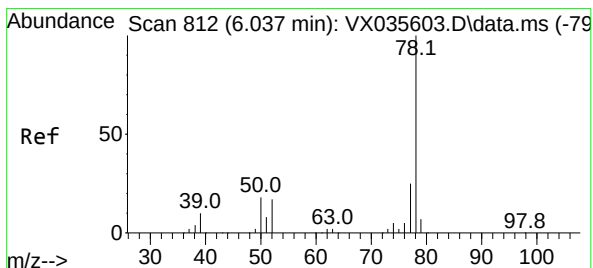
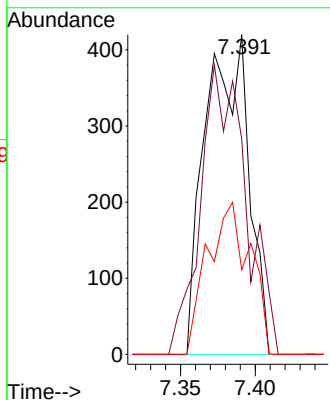
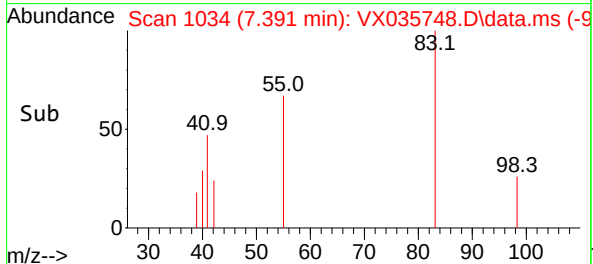
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 83 Resp: 849
Ion Ratio Lower Upper
83 100
55 67.4 60.5 90.7
98 26.4 40.4 60.6

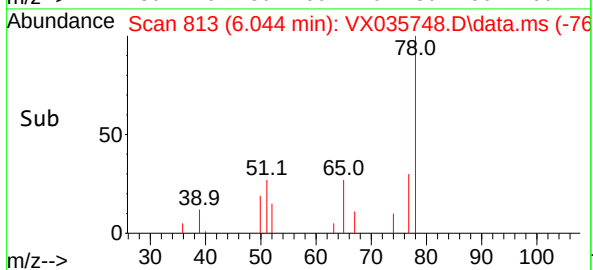
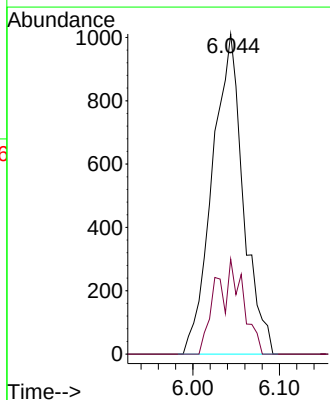
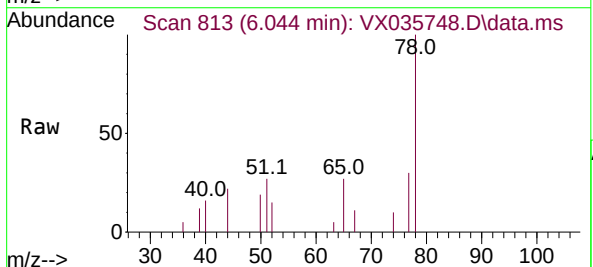
Manual Integrations
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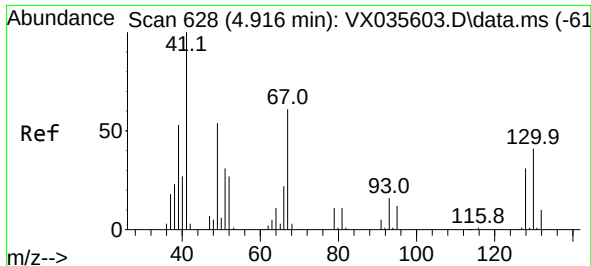
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#40
Benzene
Concen: 0.240 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

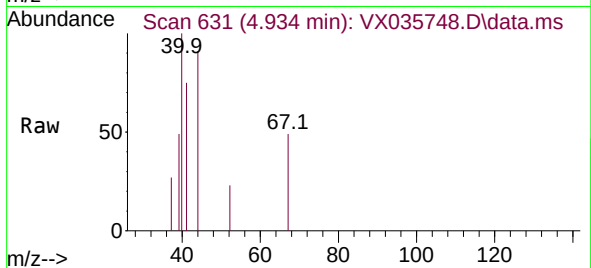
Tgt Ion: 78 Resp: 2508
Ion Ratio Lower Upper
78 100
77 29.7 19.0 28.4#





#41
Methacrylonitrile
Concen: 0.252 ug/l m
RT: 4.934 min Scan# 61
Delta R.T. 0.018 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

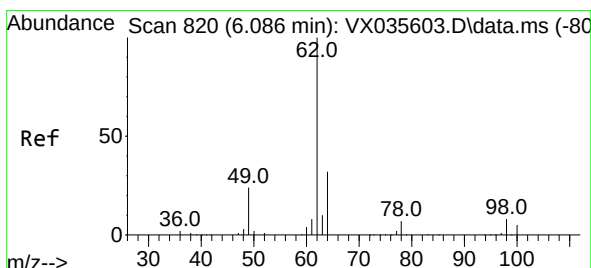
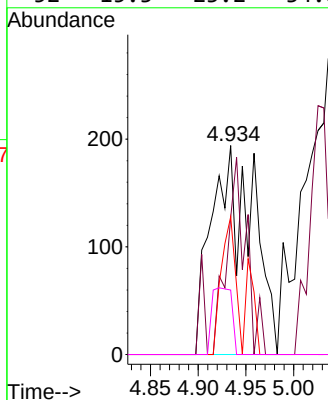
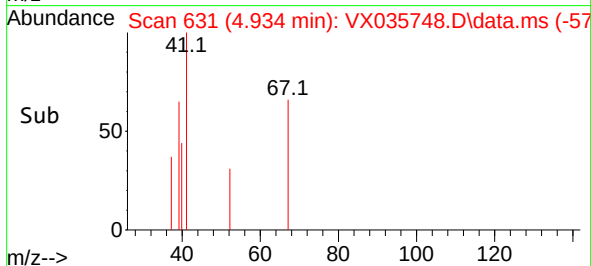
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 44.4 45.0 67.6
67 22.6 55.6 83.4
52 15.3 23.2 34.8

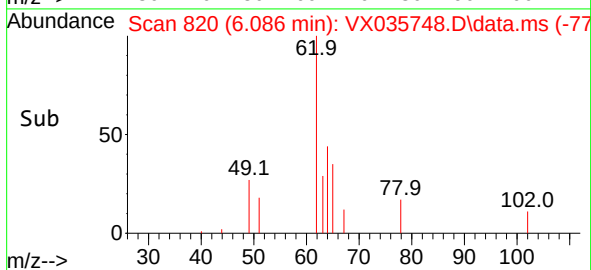
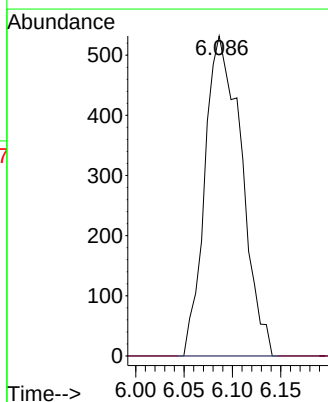
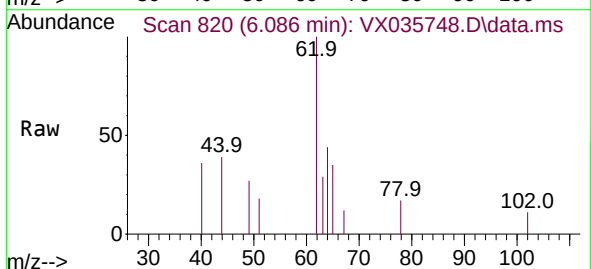
Manual Integrations
APPROVED

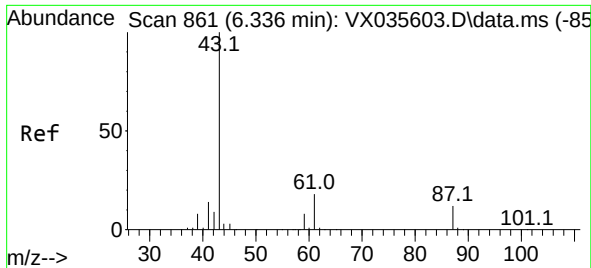
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#42
1,2-Dichloroethane
Concen: 0.311 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Tgt Ion: 62 Resp: 1399
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0





#43

Isopropyl Acetate

Concen: 0.224 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX035748.D

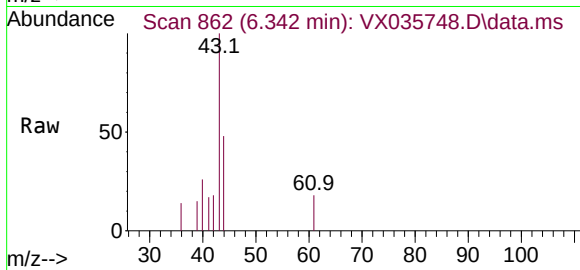
Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023



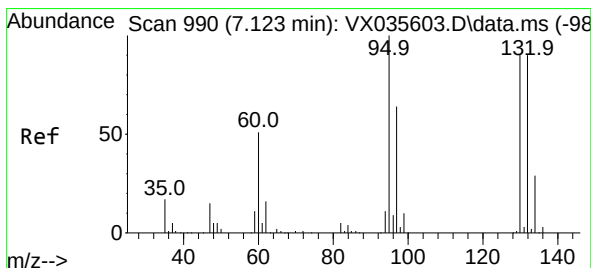
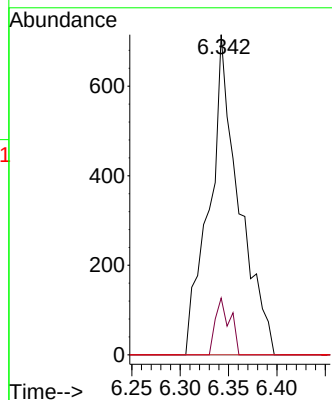
Tgt Ion:	43	Resp:	1524
Ion Ratio	100	Lower	Upper
61	8.8	15.2	22.8
87	0.0	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#44

Trichloroethene

Concen: 0.238 ug/l

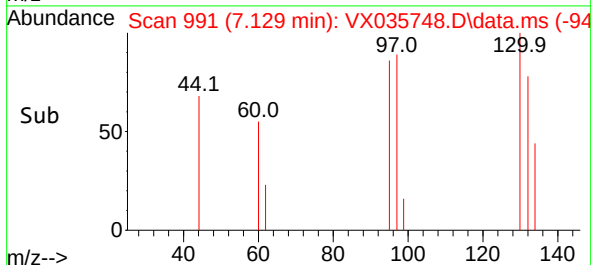
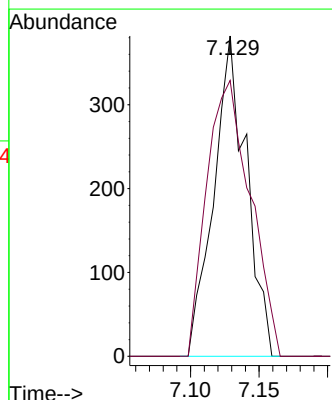
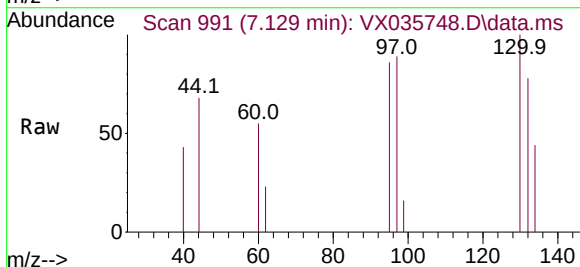
RT: 7.129 min Scan# 991

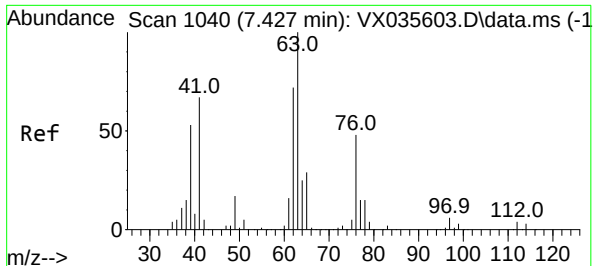
Delta R.T. 0.006 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion:	130	Resp:	632
Ion Ratio	100	Lower	Upper
95	86.1	0.0	198.4





#45

1,2-Dichloropropane

Concen: 0.216 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.007 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

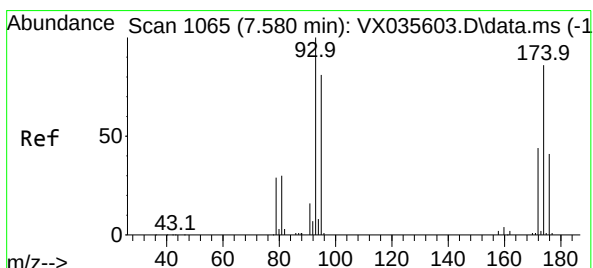
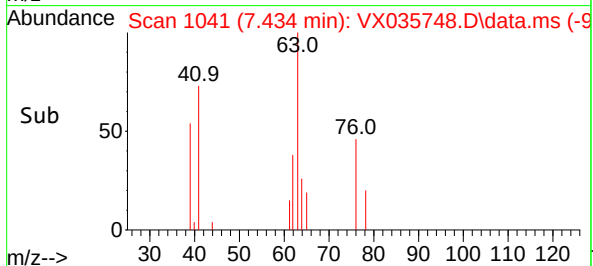
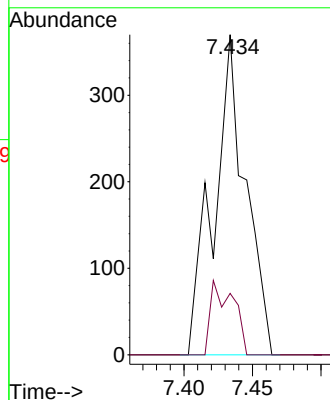
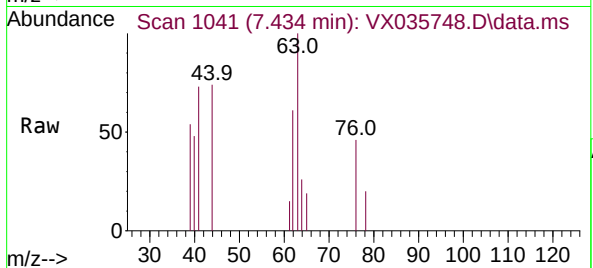
Tgt Ion: 63 Resp: 598
 Ion Ratio Lower Upper
 63 100
 65 19.2 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#46

Dibromomethane

Concen: 0.283 ug/l

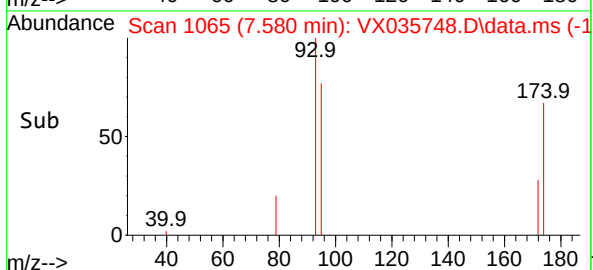
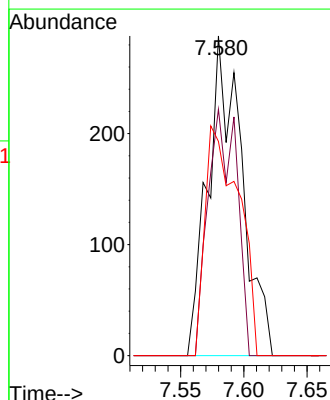
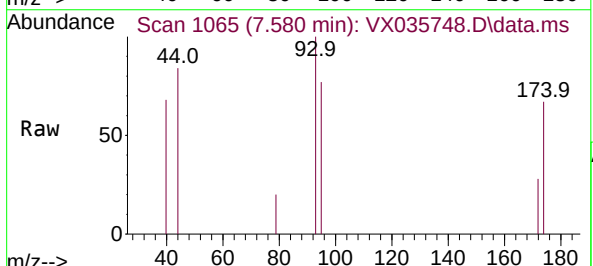
RT: 7.580 min Scan# 1065

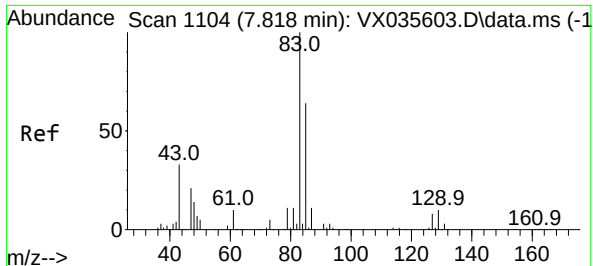
Delta R.T. -0.000 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion: 93 Resp: 537
 Ion Ratio Lower Upper
 93 100
 95 65.4 66.9 100.3#
 174 71.5 75.4 113.0#





#47

Bromodichloromethane

Concen: 0.132 ug/l

RT: 7.830 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

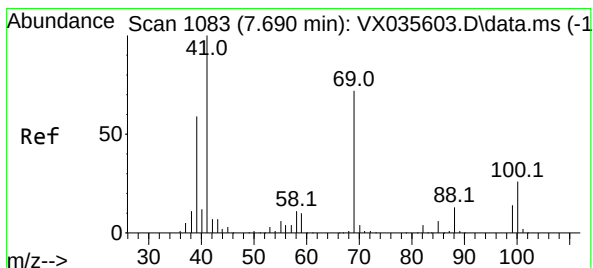
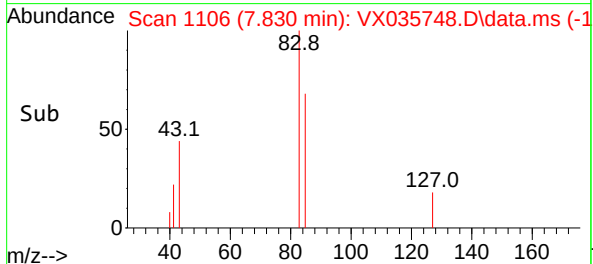
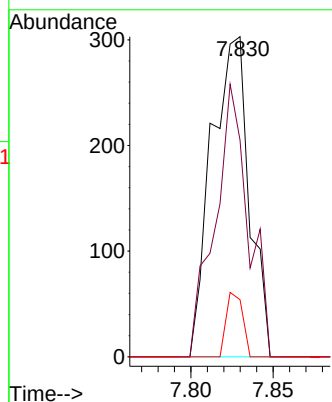
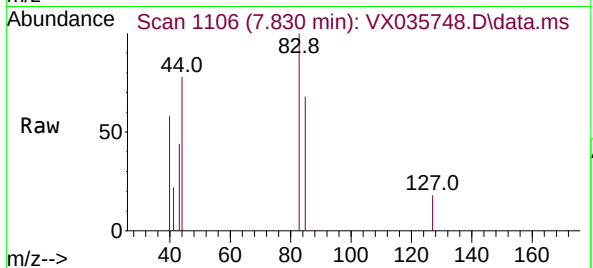
Tgt Ion: 83	Resp: 484
Ion Ratio	Lower Upper
83 100	
85 67.7	52.2 78.4
127 17.8	6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#48

Methyl methacrylate

Concen: 0.247 ug/l

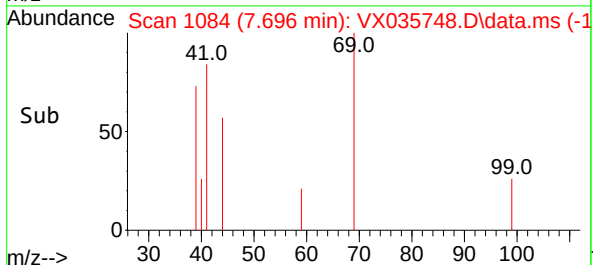
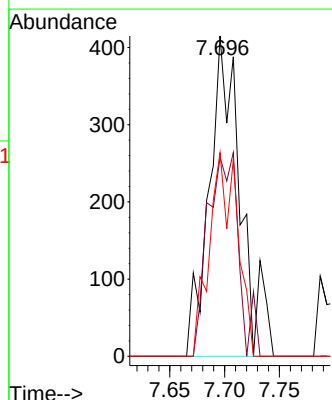
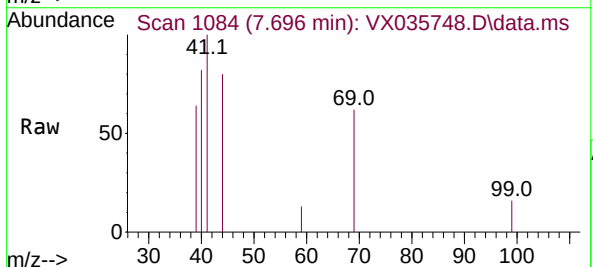
RT: 7.696 min Scan# 1084

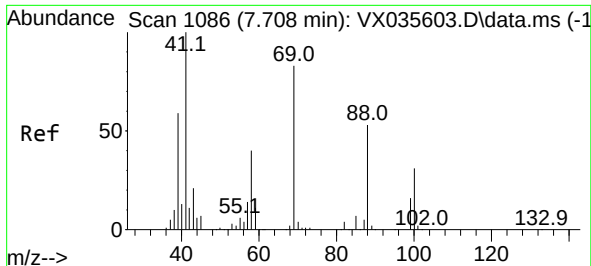
Delta R.T. 0.006 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion: 41	Resp: 829
Ion Ratio	Lower Upper
41 100	
69 62.0	62.2 93.4
39 56.5	47.7 71.5





#49

1,4-Dioxane

Concen: 2.535 ug/l

RT: 7.738 min Scan# 1086

Delta R.T. 0.030 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

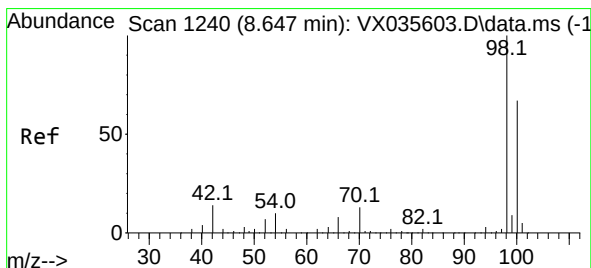
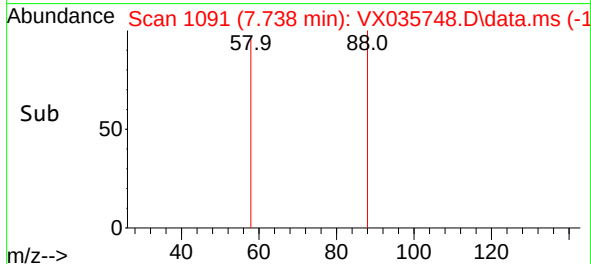
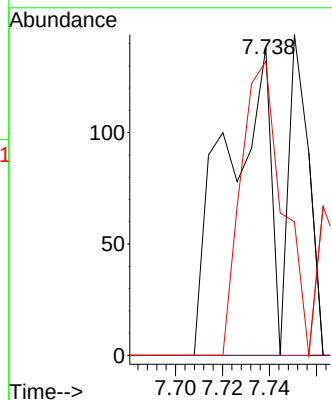
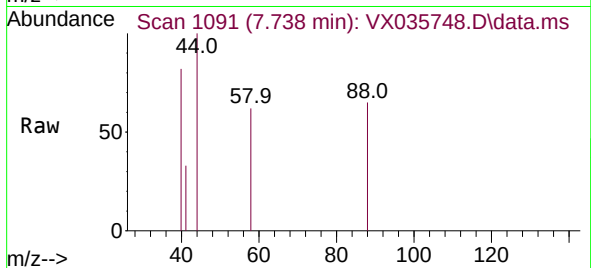
Tgt Ion: 88	Resp: 188
Ion Ratio	Lower Upper
88 100	
43 0.0	27.7 41.5
58 89.1	56.8 85.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#50

Toluene-d8

Concen: 40.008 ug/l

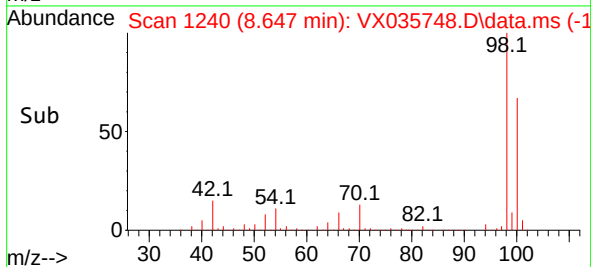
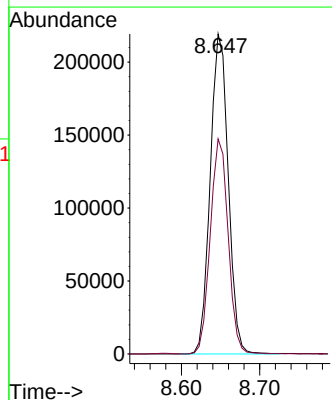
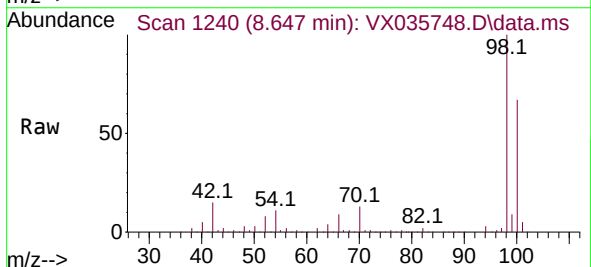
RT: 8.647 min Scan# 1240

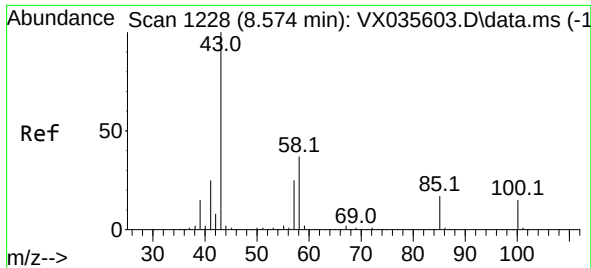
Delta R.T. -0.000 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

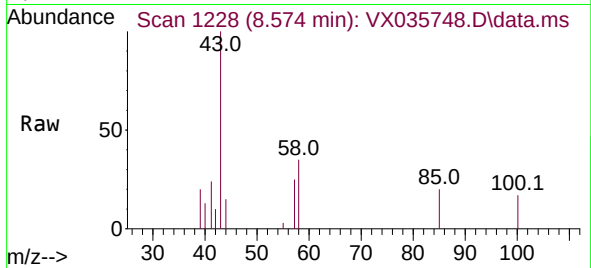
Tgt Ion: 98	Resp: 350431
Ion Ratio	Lower Upper
98 100	
100 66.6	52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 1.114 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

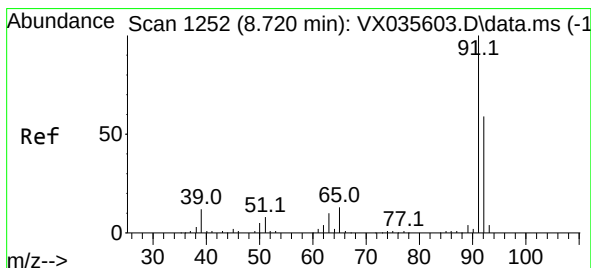
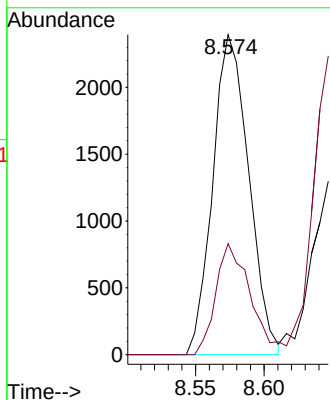
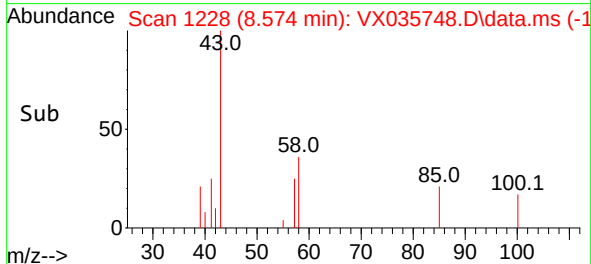
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT2-2023



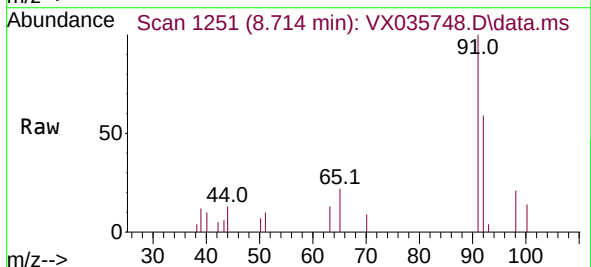
Tgt Ion: 43 Resp: 4368
Ion Ratio Lower Upper
43 100
58 33.6 30.6 46.0

Manual Integrations
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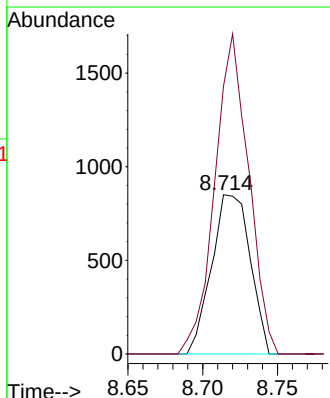
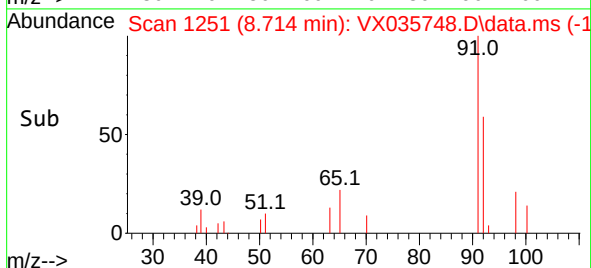
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

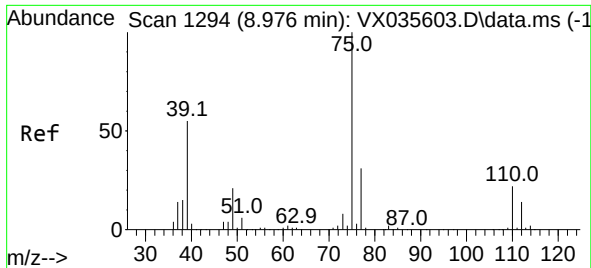


#52
Toluene
Concen: 0.230 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



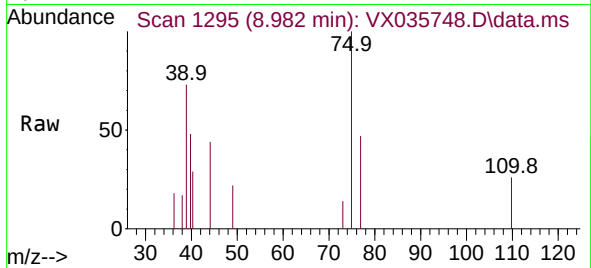
Tgt Ion: 92 Resp: 1523
Ion Ratio Lower Upper
92 100
91 176.8 136.8 205.2





#53
t-1,3-Dichloropropene
Concen: 0.183 ug/l
RT: 8.982 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

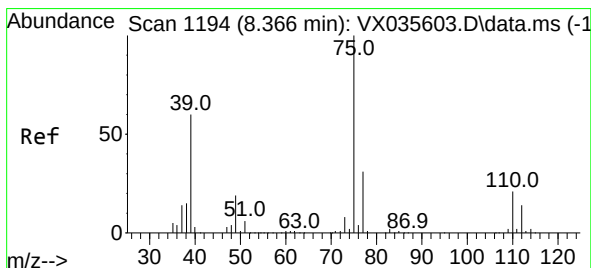
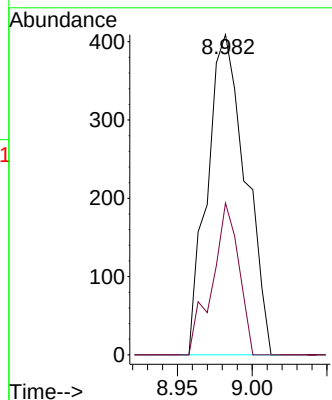
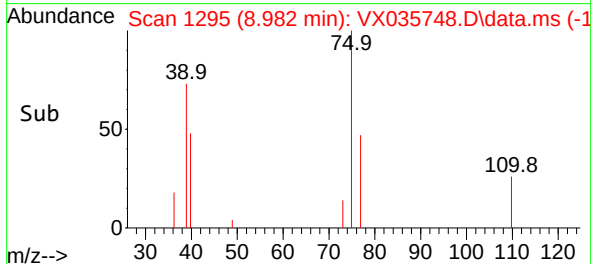
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 75 Resp: 728
Ion Ratio Lower Upper
75 100
77 47.4 25.4 38.2

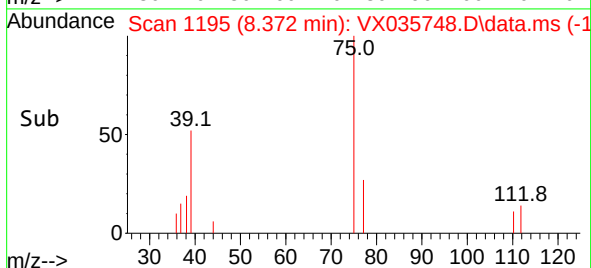
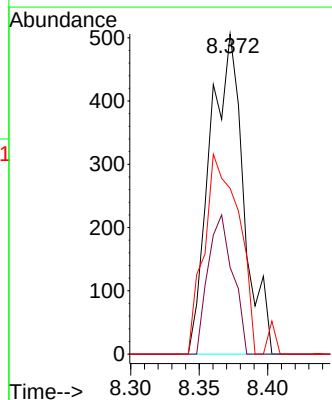
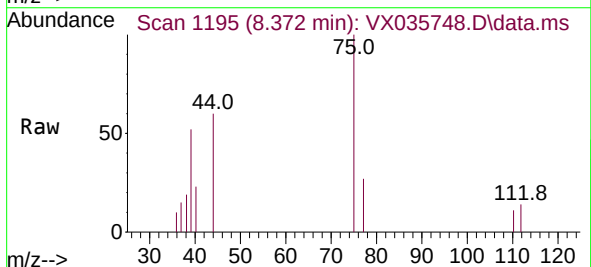
Manual Integrations
APPROVED

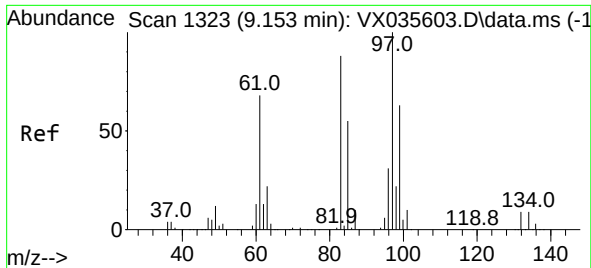
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#54
cis-1,3-Dichloropropene
Concen: 0.202 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

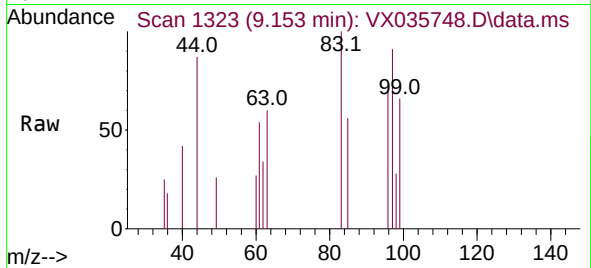
Tgt Ion: 75 Resp: 864
Ion Ratio Lower Upper
75 100
77 27.1 25.0 37.4
39 51.8 44.6 66.8





#55
1,1,2-Trichloroethane
Concen: 0.206 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

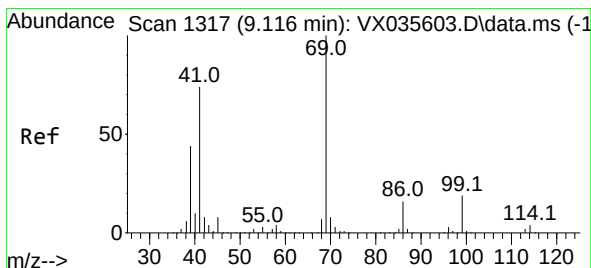
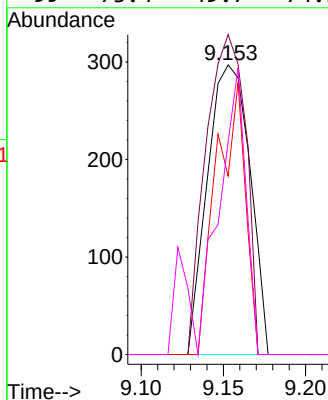
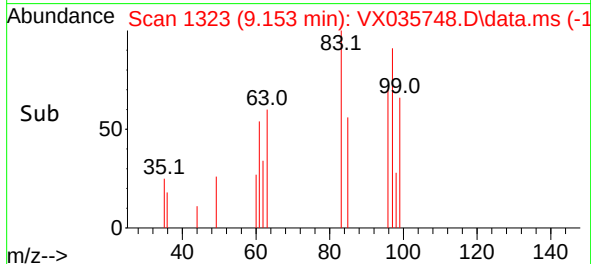
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT2-2023



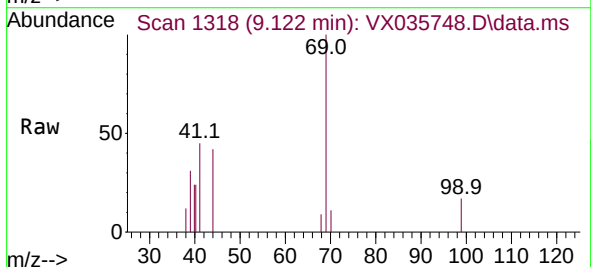
Tgt Ion	Ratio	Lower	Upper
97	100		
83	110.4	69.7	104.5
85	61.6	43.7	65.5
99	73.4	49.7	74.5

Manual Integrations
APPROVED

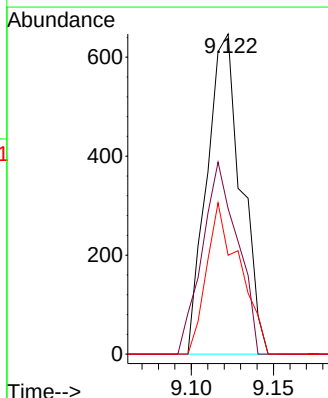
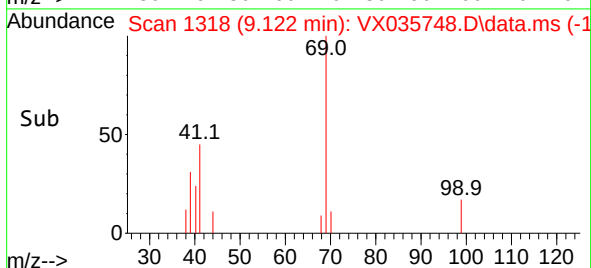
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

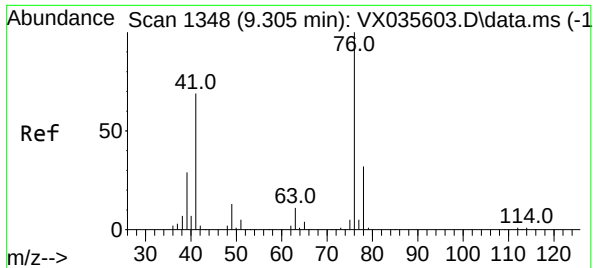


#56
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	57.4	86.0
39	45.6	33.7	50.5





#57

1,3-Dichloropropane

Concen: 0.216 ug/l

RT: 9.305 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

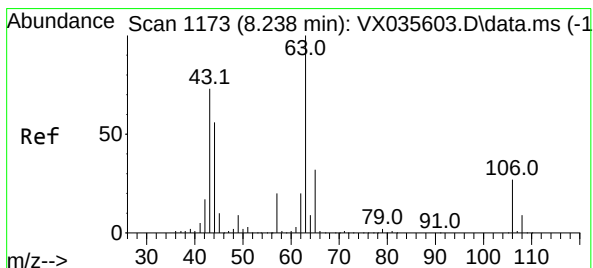
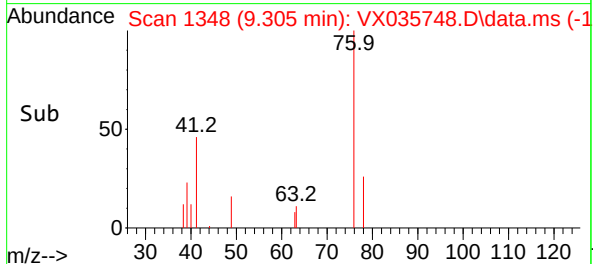
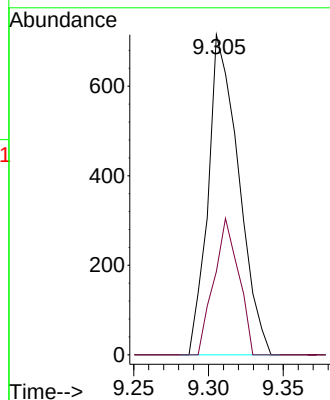
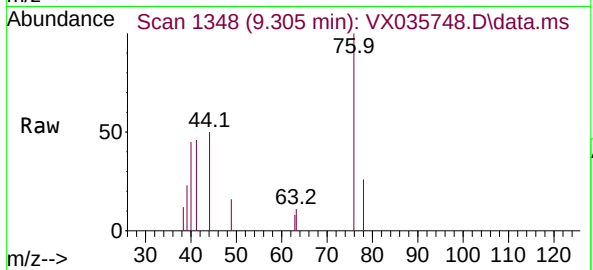
Tgt Ion: 76 Resp: 101
 Ion Ratio Lower Upper
 76 100
 78 34.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#58

2-Chloroethyl Vinyl ether

Concen: 0.824 ug/l

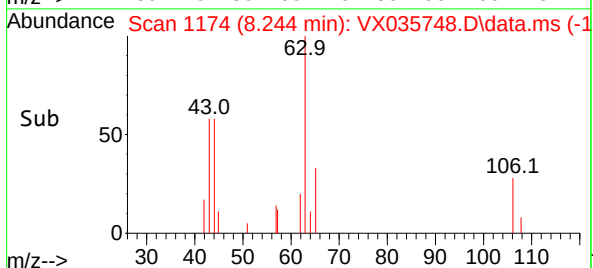
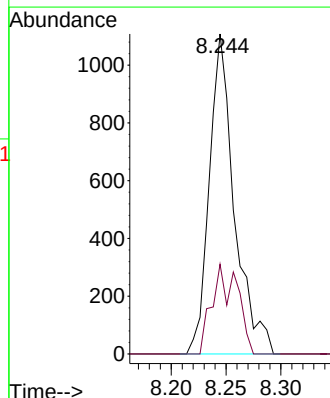
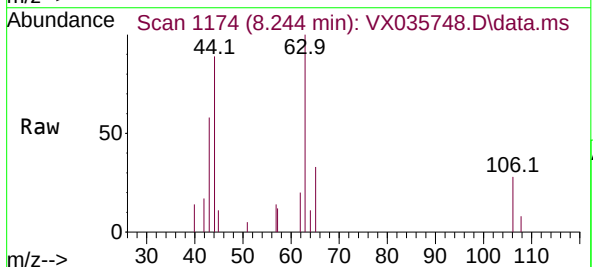
RT: 8.244 min Scan# 1174

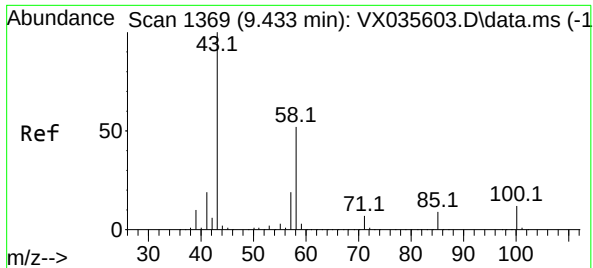
Delta R.T. 0.006 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

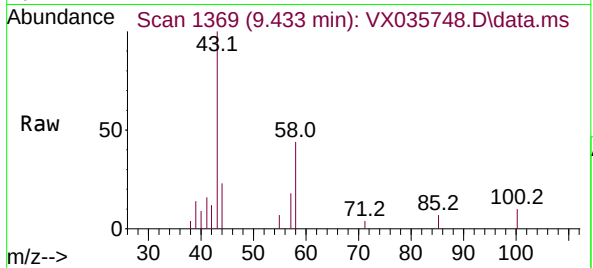
Tgt Ion: 63 Resp: 1762
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.2 33.2





#59
2-Hexanone
Concen: 1.038 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

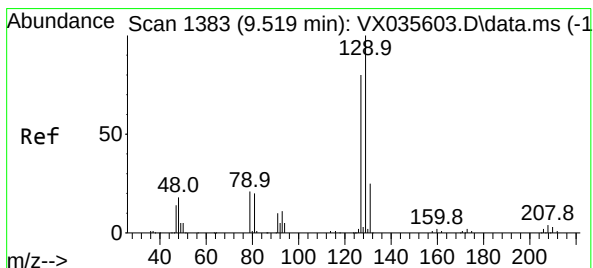
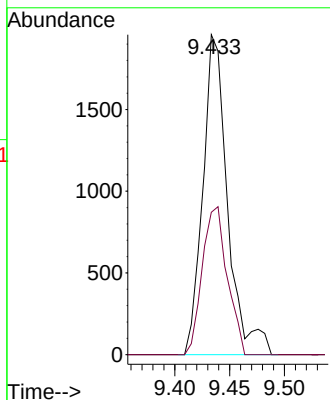
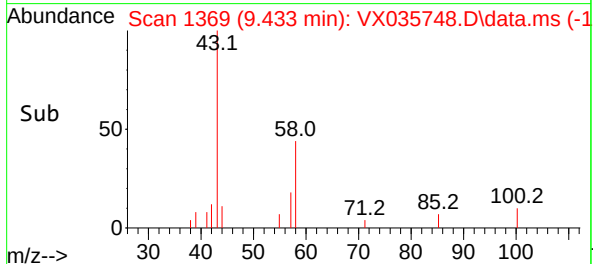
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



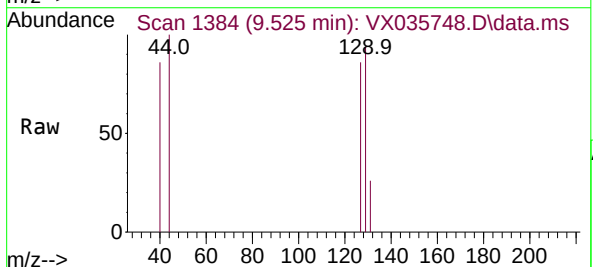
Tgt Ion: 43 Resp: 306
Ion Ratio Lower Upper
43 100
58 46.8 26.3 78.9

Manual Integrations
APPROVED

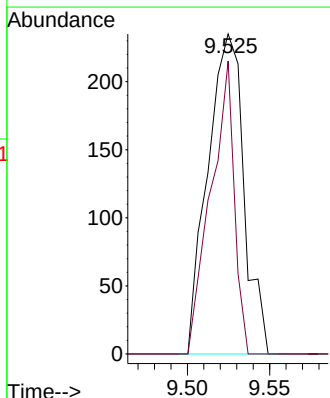
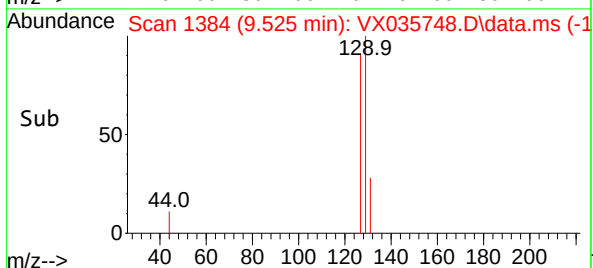
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

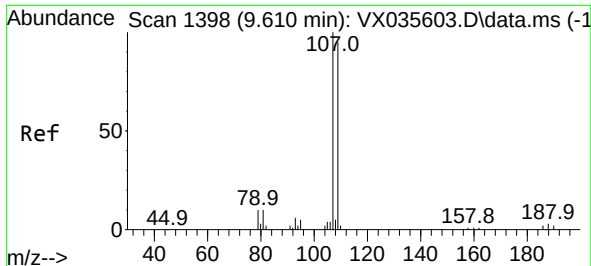


#60
Dibromochloromethane
Concen: 0.145 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



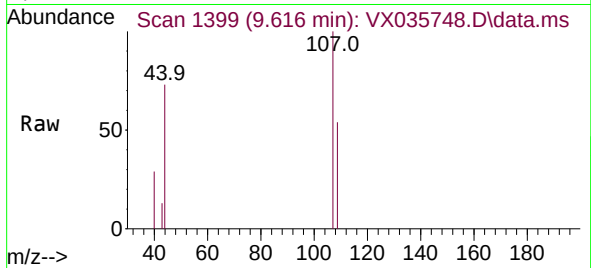
Tgt Ion:129 Resp: 360
Ion Ratio Lower Upper
129 100
127 59.4 39.0 117.0





#61
1,2-Dibromoethane
Concen: 0.223 ug/l
RT: 9.616 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

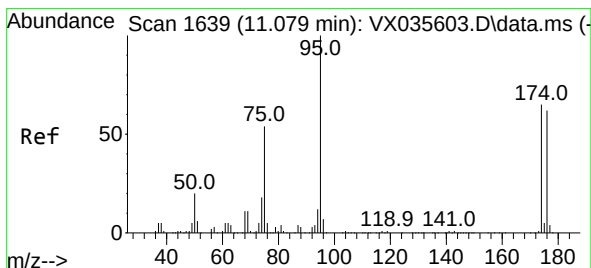
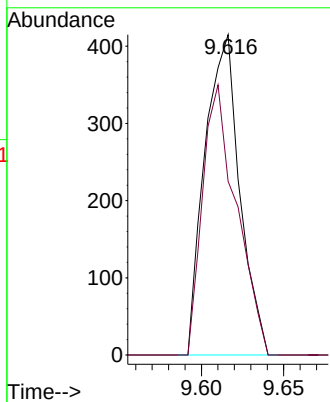
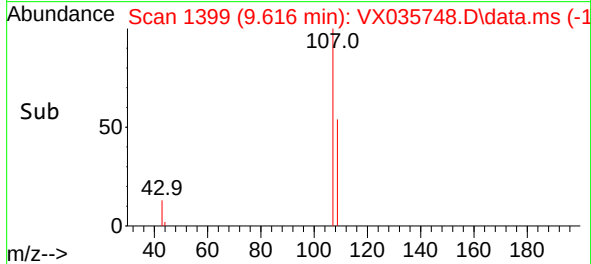
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



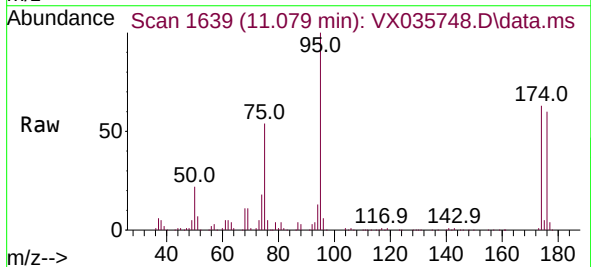
Tgt Ion:107 Resp: 610
Ion Ratio Lower Upper
107 100
109 82.0 75.3 112.9

Manual Integrations
APPROVED

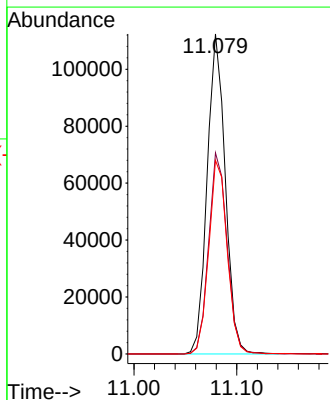
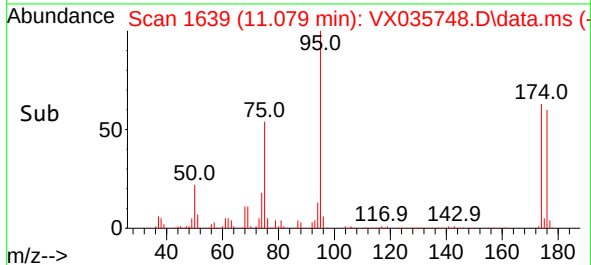
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

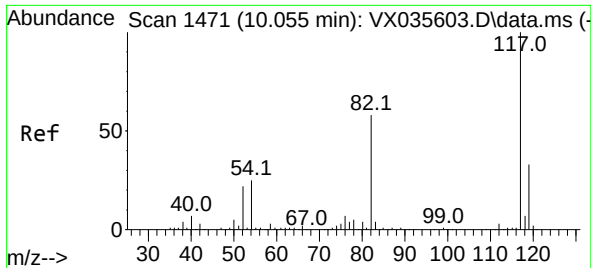


#62
4-Bromofluorobenzene
Concen: 39.034 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



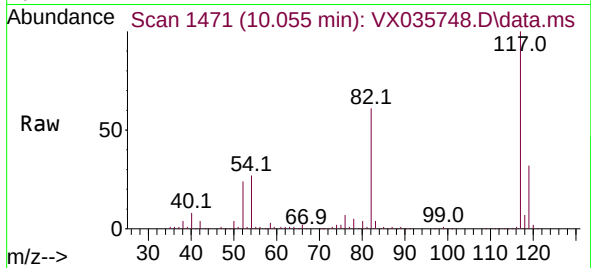
Tgt Ion: 95 Resp: 137662
Ion Ratio Lower Upper
95 100
174 64.1 0.0 147.4
176 61.7 0.0 140.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

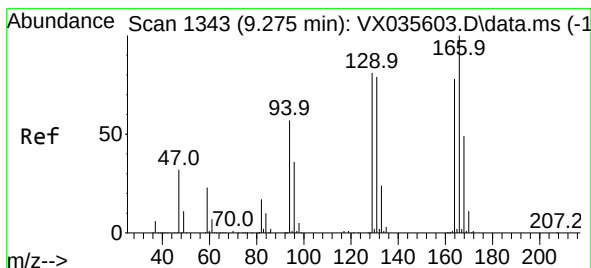
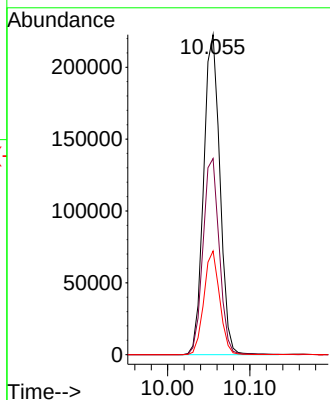
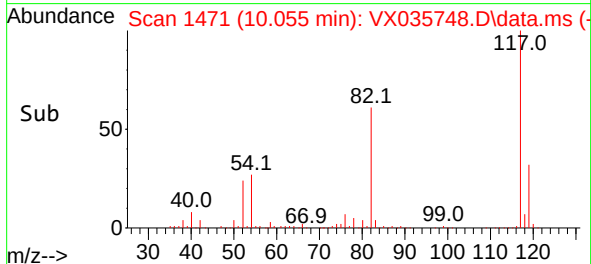
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion:117 Resp: 30635
Ion Ratio Lower Upper
117 100
82 61.3 45.0 67.4
119 32.4 26.0 39.0

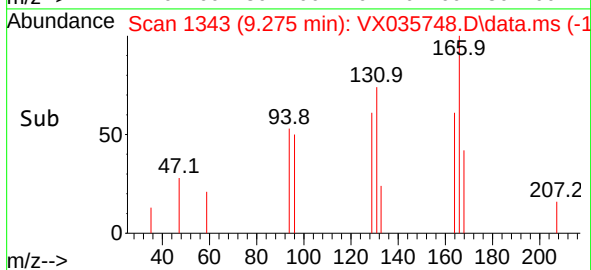
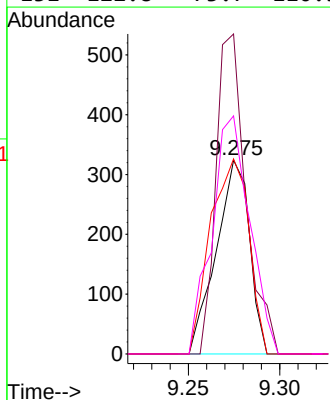
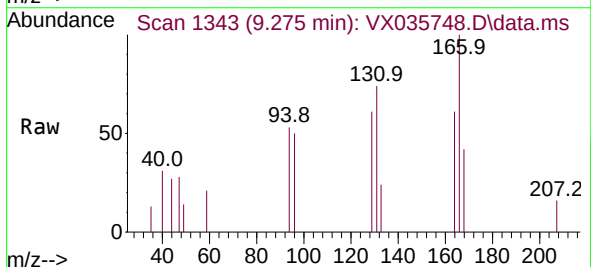
Manual Integrations
APPROVED

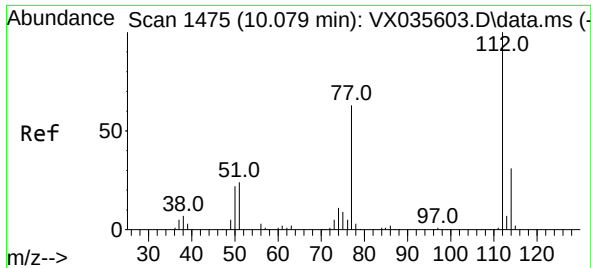
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#64
Tetrachloroethene
Concen: 0.199 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Tgt Ion:164 Resp: 410
Ion Ratio Lower Upper
164 100
166 165.1 102.7 154.1#
129 100.6 75.6 113.4
131 122.8 73.7 110.5#





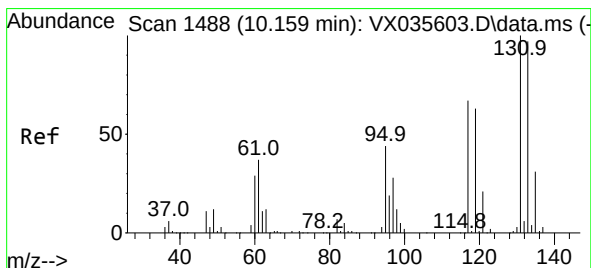
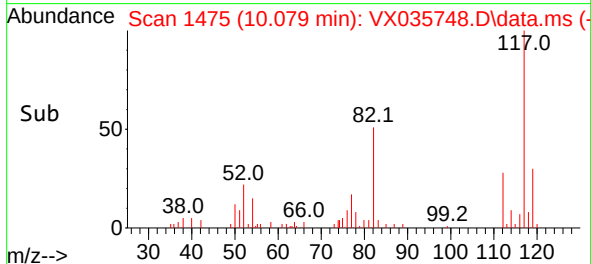
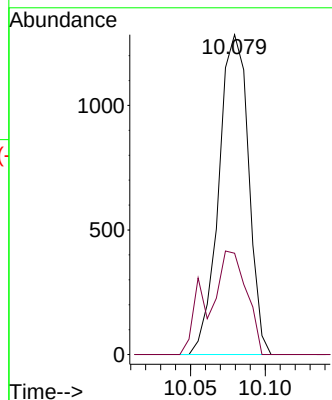
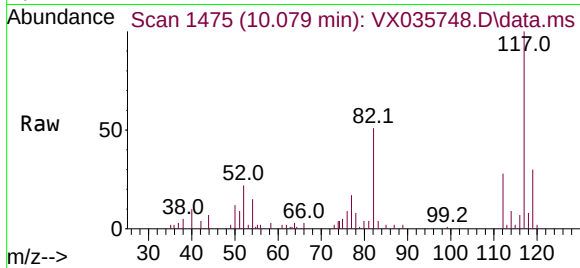
#65
Chlorobenzene
Concen: 0.266 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion:112 Resp: 1770
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.2

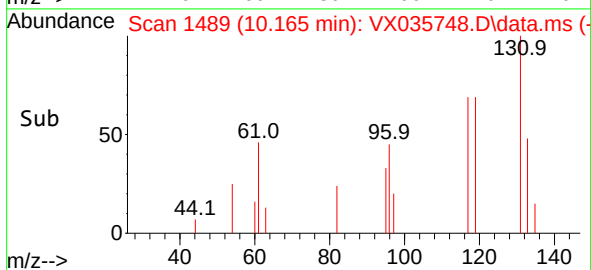
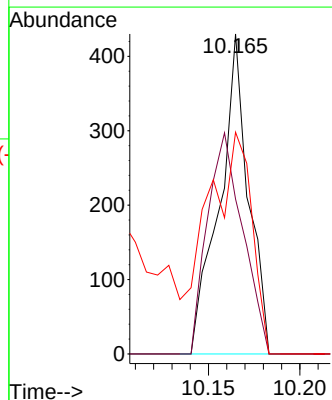
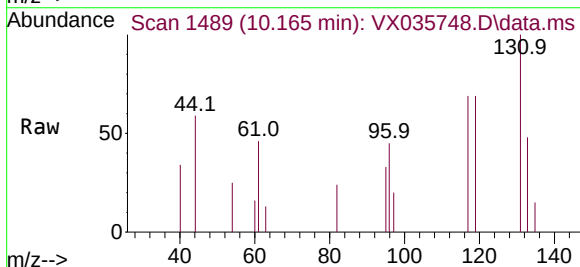
Manual Integrations
APPROVED

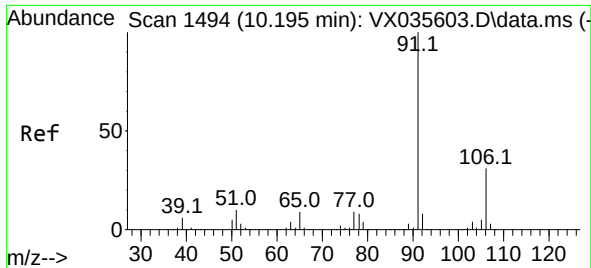
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.200 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

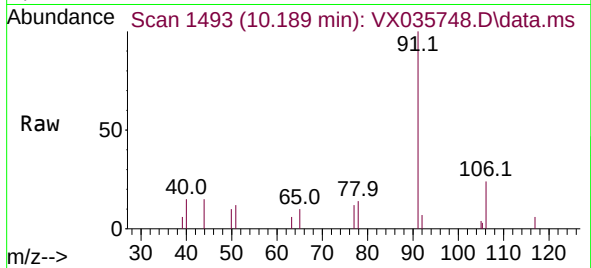
Tgt Ion:131 Resp: 472
Ion Ratio Lower Upper
131 100
133 84.3 47.1 141.4
119 0.0 32.6 98.0#





#67
Ethyl Benzene
Concen: 0.203 ug/l
RT: 10.189 min Scan# 1494
Delta R.T. -0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

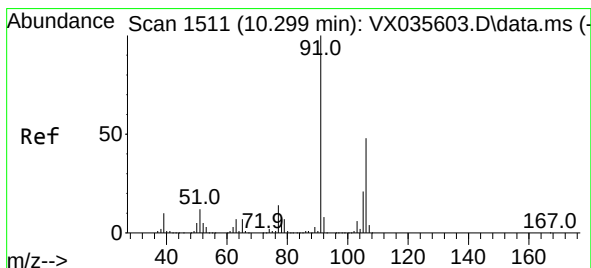
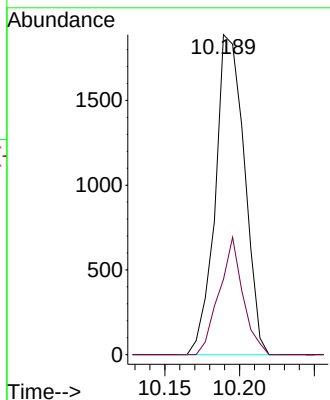
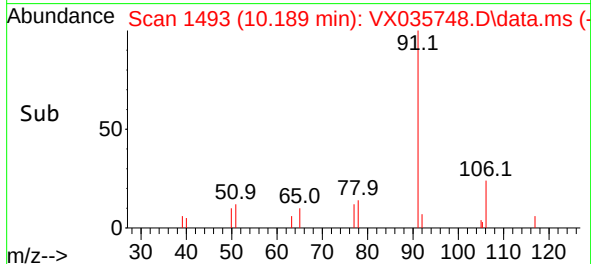
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 91 Resp: 2559
Ion Ratio Lower Upper
91 100
106 23.5 25.6 38.4

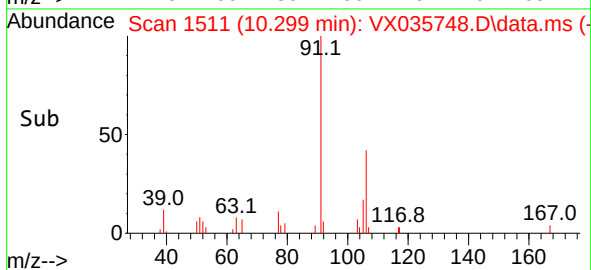
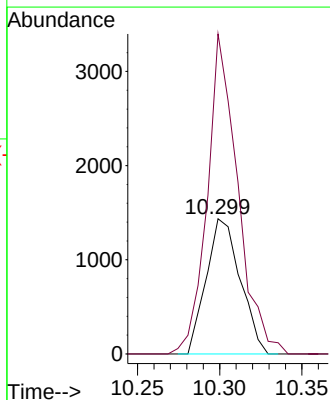
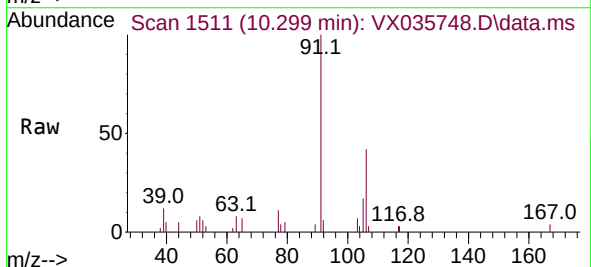
Manual Integrations
APPROVED

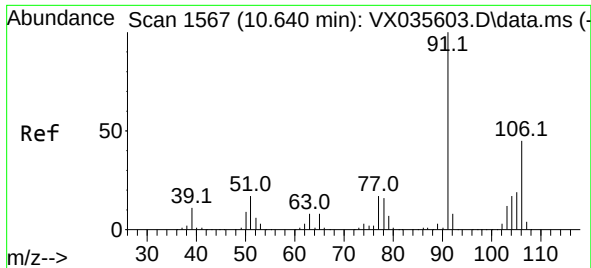
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#68
m/p-Xylenes
Concen: 0.445 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Tgt Ion:106 Resp: 2068
Ion Ratio Lower Upper
106 100
91 212.0 164.0 246.0





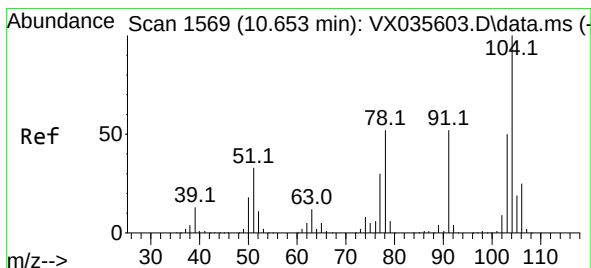
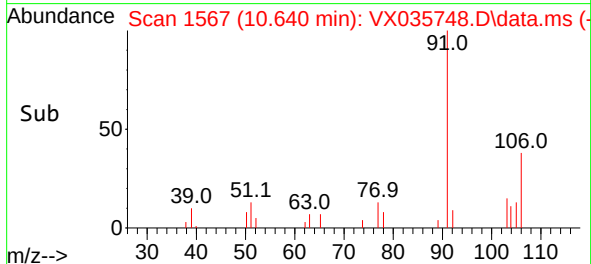
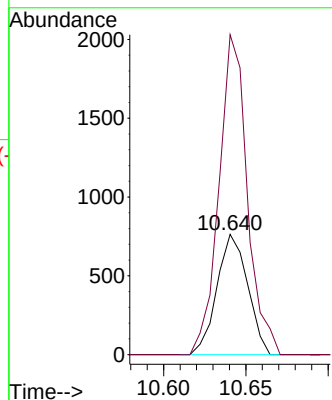
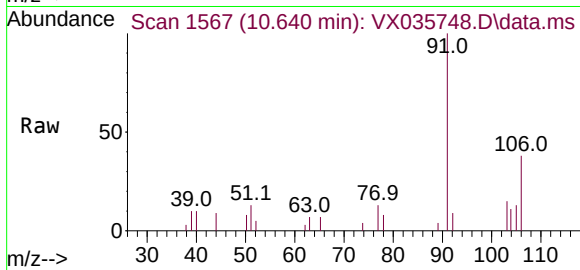
#69
o-Xylene
Concen: 0.215 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion:106 Resp: 992
Ion Ratio Lower Upper
106 100
91 245.6 108.5 325.3

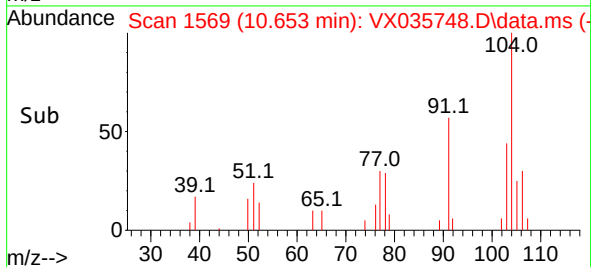
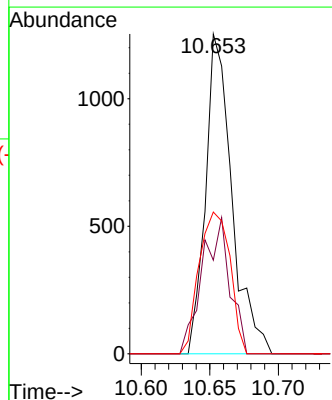
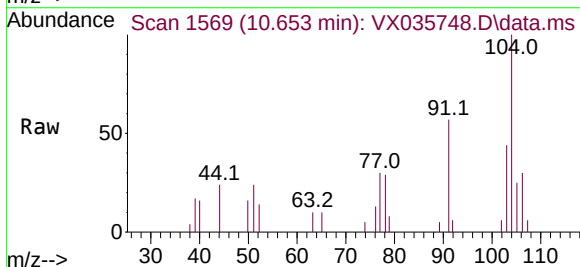
Manual Integrations
APPROVED

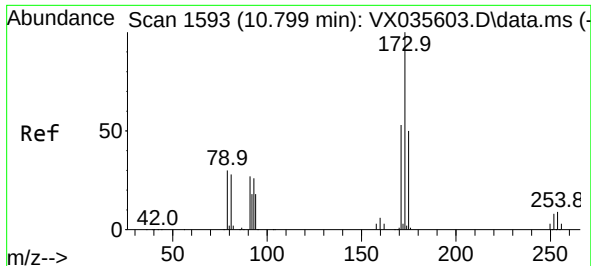
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#70
Styrene
Concen: 0.226 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

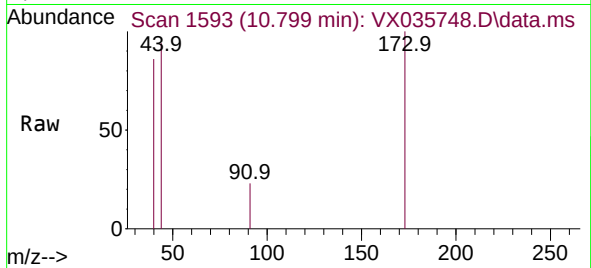
Tgt Ion:104 Resp: 1681
Ion Ratio Lower Upper
104 100
78 44.5 43.4 65.2
103 52.1 44.2 66.2





#71
Bromoform
Concen: 0.123 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

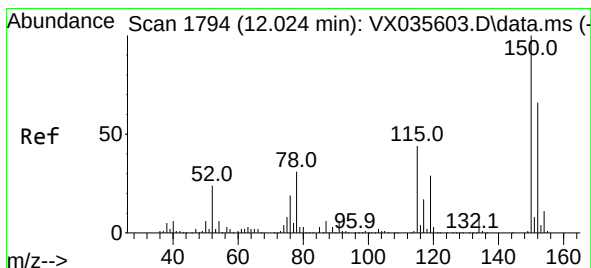
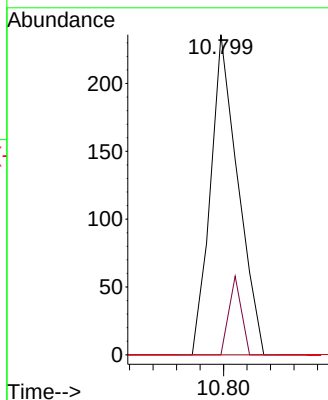
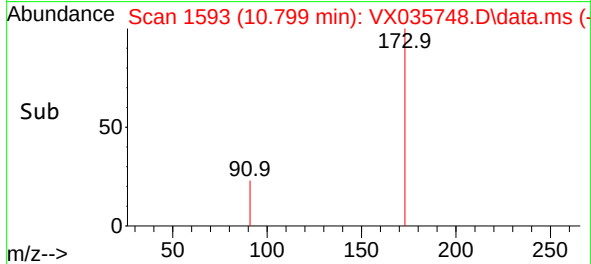
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:173 Resp: 191
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4
254 0.0 0.1 0.1

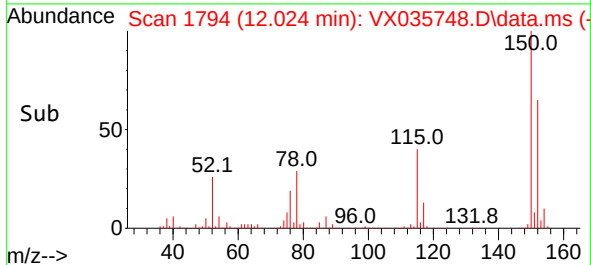
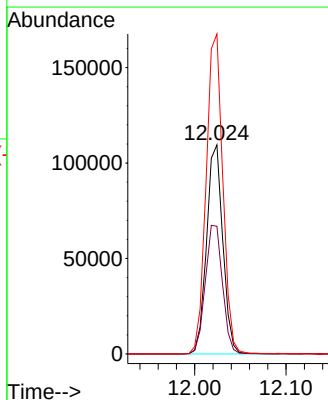
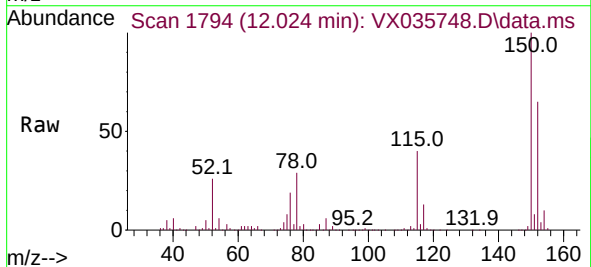
Manual Integrations
APPROVED

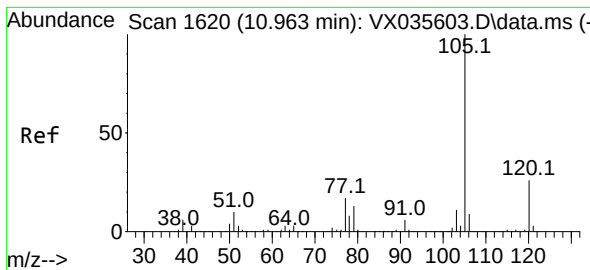
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Tgt Ion:152 Resp: 134759
Ion Ratio Lower Upper
152 100
115 65.2 45.0 135.0
150 157.0 0.0 352.4





#73

Isopropylbenzene

Concen: 0.228 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion:105 Resp: 259

Ion Ratio Lower Upper

105 100

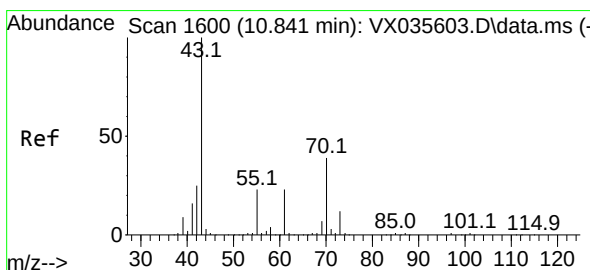
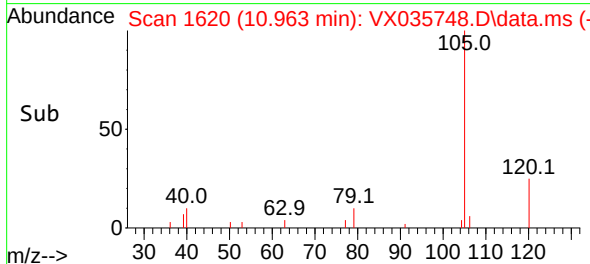
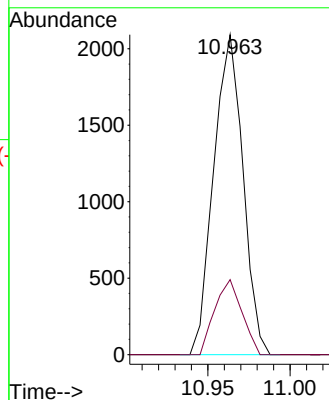
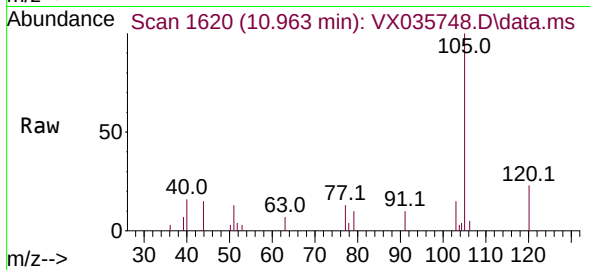
120 21.7 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#74

N-ethyl acetate

Concen: 0.199 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.001 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Tgt Ion: 43 Resp: 1055

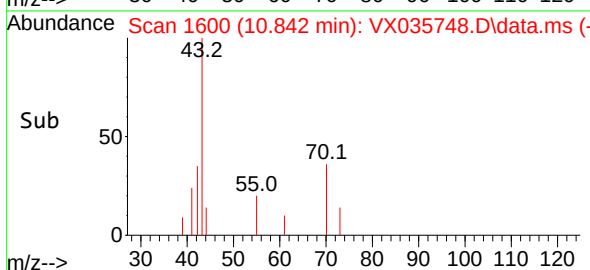
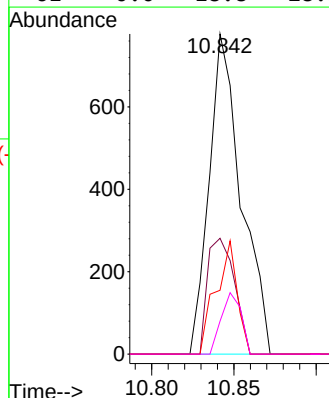
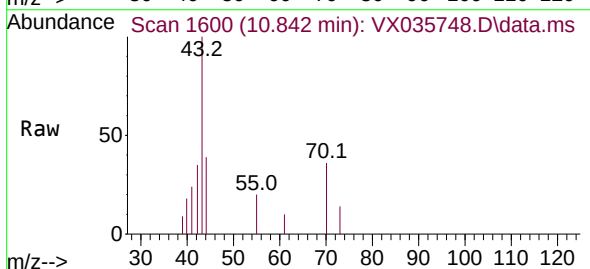
Ion Ratio Lower Upper

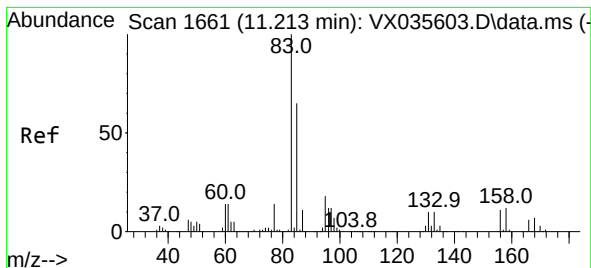
43 100

70 30.4 32.1 48.1#

55 23.4 18.3 27.5

61 0.0 18.8 28.2#





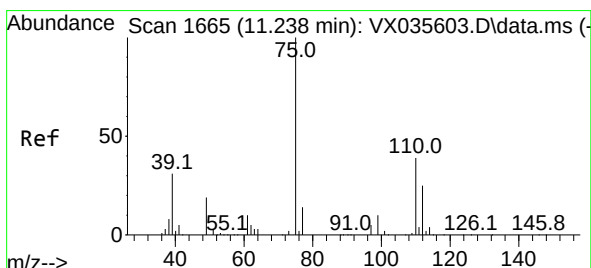
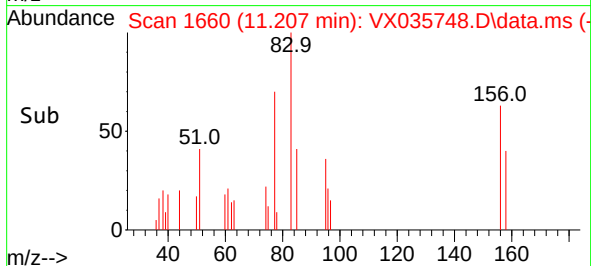
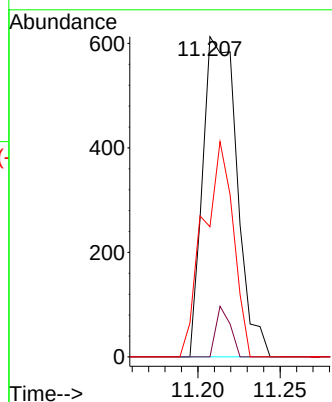
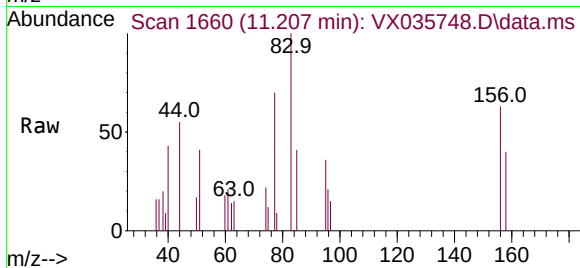
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.240 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. -0.006 min
 Lab File: VX035748.D
 Acq: 18 May 2023 17:32

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Tgt Ion: 83 Resp: 884
 Ion Ratio Lower Upper
 83 100
 131 6.7 4.8 14.3
 85 59.0 32.0 96.0

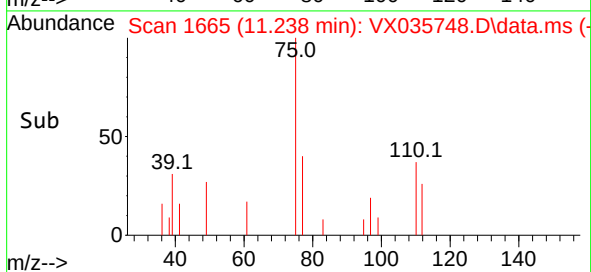
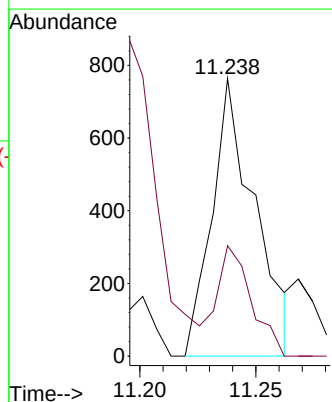
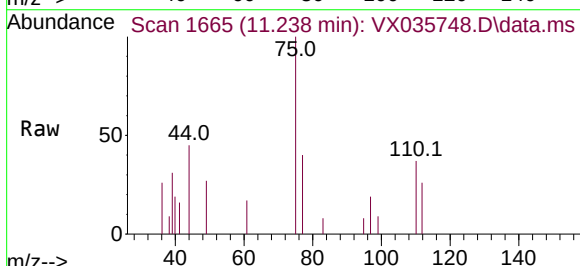
Manual Integrations
 APPROVED

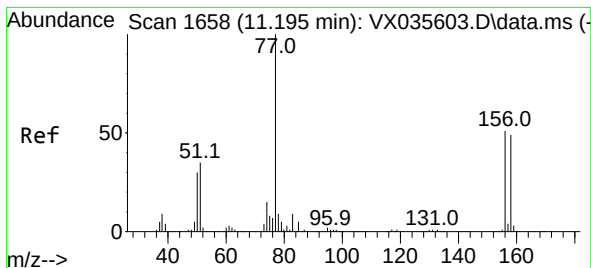
Reviewed By :John Carlone 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023



#76
 1,2,3-Trichloropropane
 Concen: 0.297 ug/l m
 RT: 11.238 min Scan# 1665
 Delta R.T. -0.000 min
 Lab File: VX035748.D
 Acq: 18 May 2023 17:32

Tgt Ion: 75 Resp: 980
 Ion Ratio Lower Upper
 75 100
 77 75.8 21.6 64.8#





#77

Bromobenzene

Concen: 0.263 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX035748.D

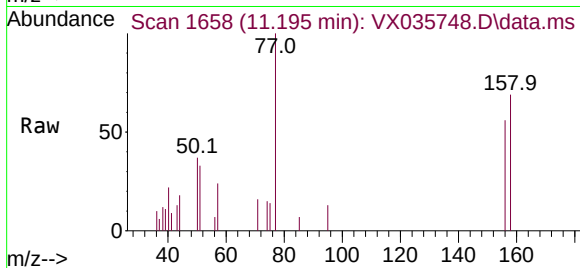
Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023



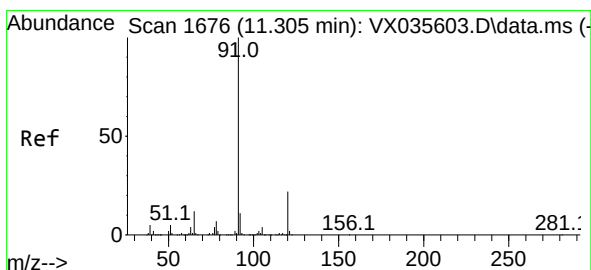
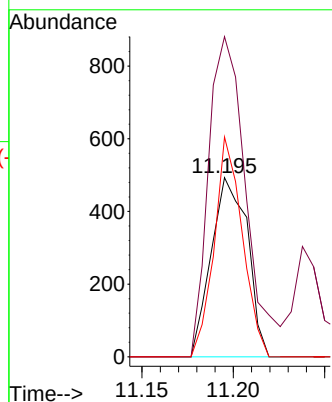
Tgt Ion:	156	Resp:	679
Ion Ratio	100	Lower	Upper
156	100		
77	184.7	86.7	259.9
158	95.4	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#78

n-propylbenzene

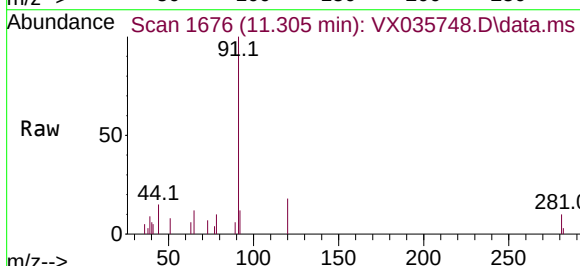
Concen: 0.222 ug/l

RT: 11.305 min Scan# 1676

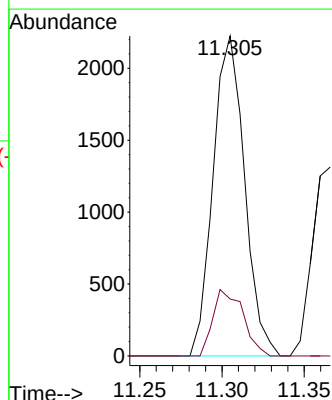
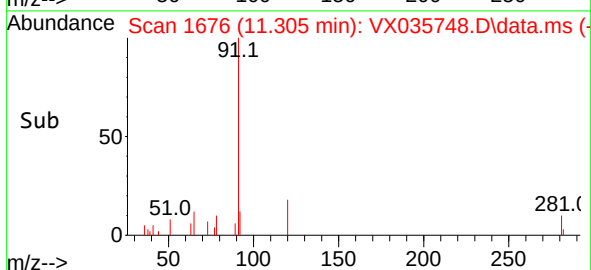
Delta R.T. -0.000 min

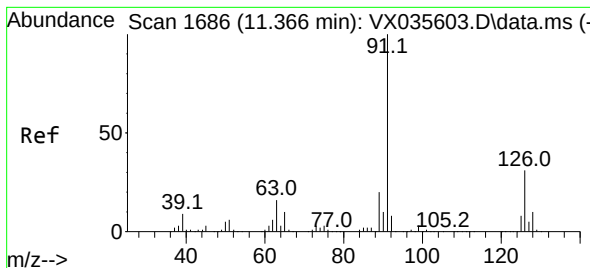
Lab File: VX035748.D

Acq: 18 May 2023 17:32



Tgt Ion:	91	Resp:	2960
Ion Ratio	100	Lower	Upper
91	100		
120	19.8	11.5	34.5





#79

2-Chlorotoluene

Concen: 0.210 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035748.D

Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 91 Resp: 1754

Ion Ratio Lower Upper

91 100

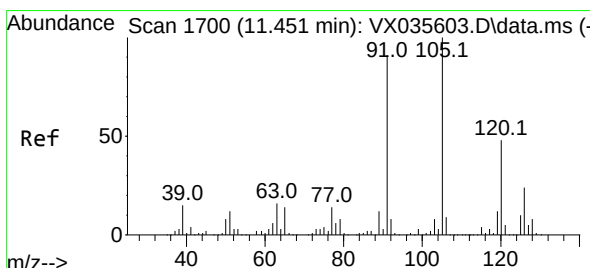
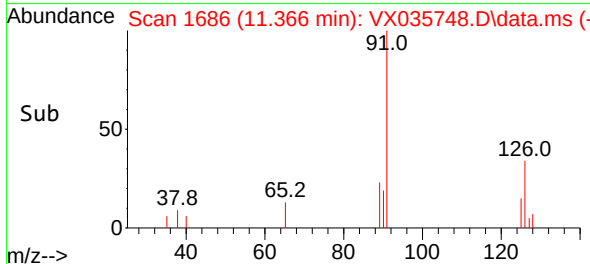
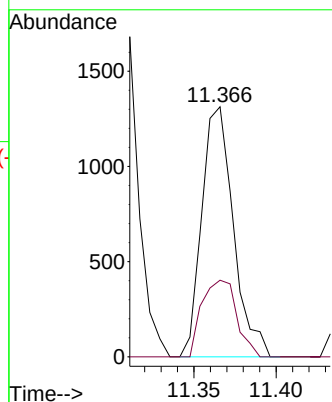
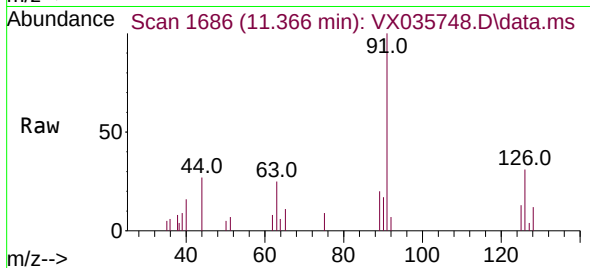
126 33.6 16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023



#80

1,3,5-Trimethylbenzene

Concen: 0.190 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035748.D

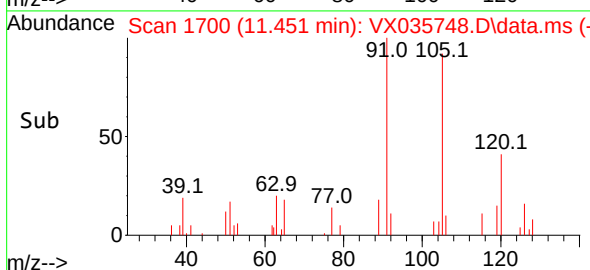
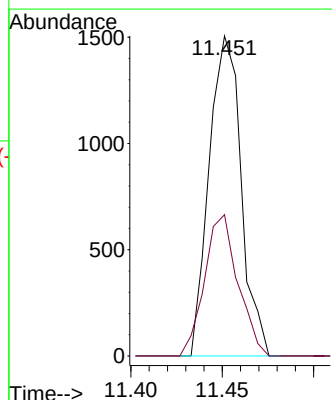
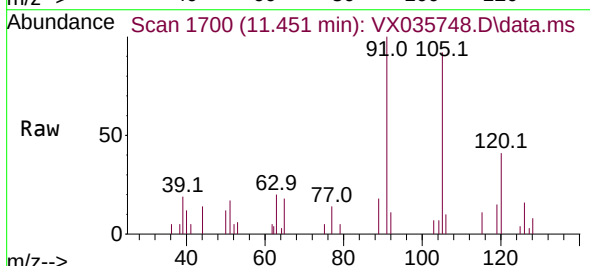
Acq: 18 May 2023 17:32

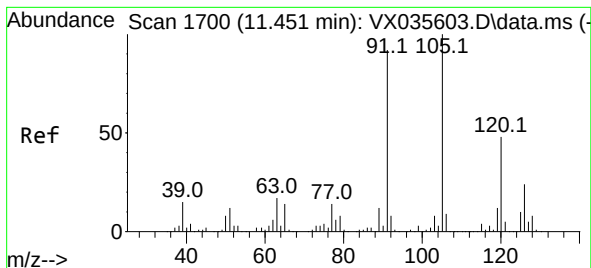
Tgt Ion:105 Resp: 1834

Ion Ratio Lower Upper

105 100

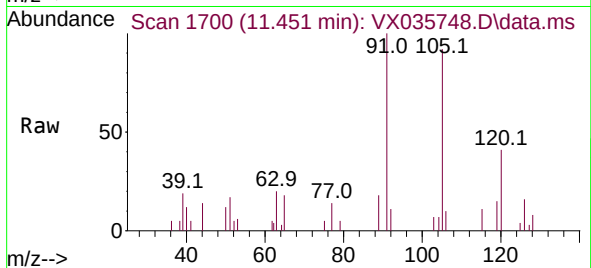
120 46.1 23.7 71.1





#82
4-Chlorotoluene
Concen: 0.236 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

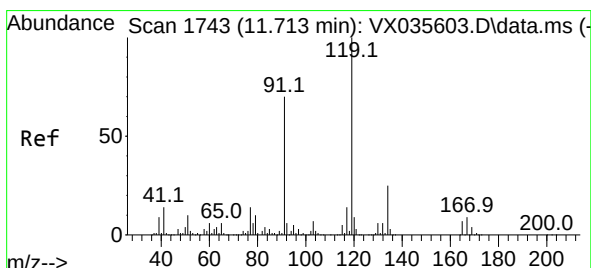
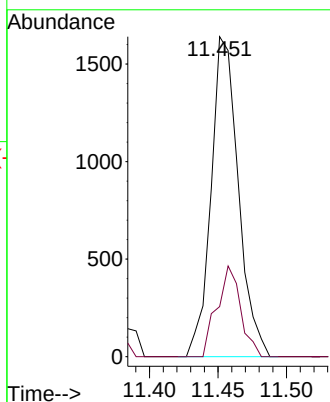
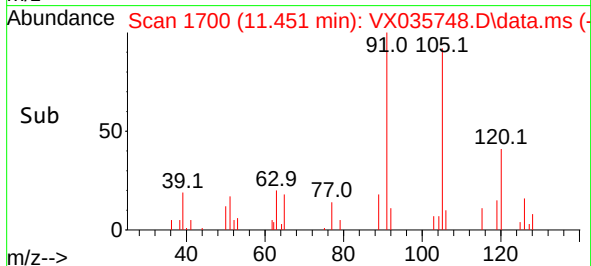
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 91 Resp: 2270
Ion Ratio Lower Upper
91 100
126 24.4 14.2 42.6

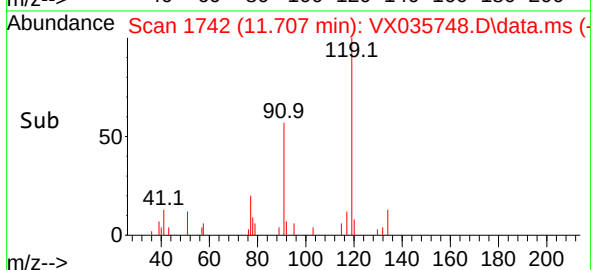
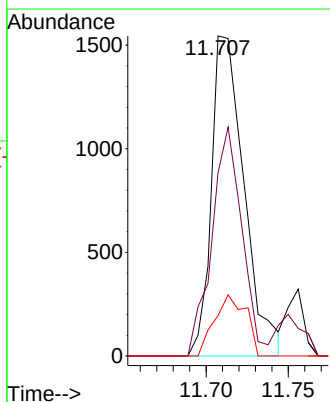
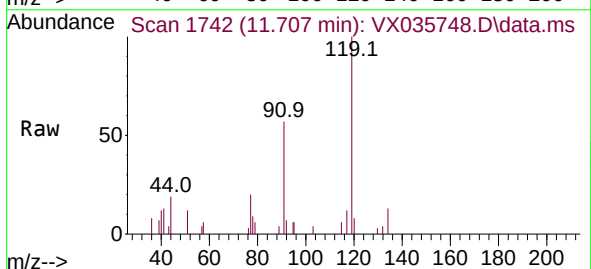
Manual Integrations
APPROVED

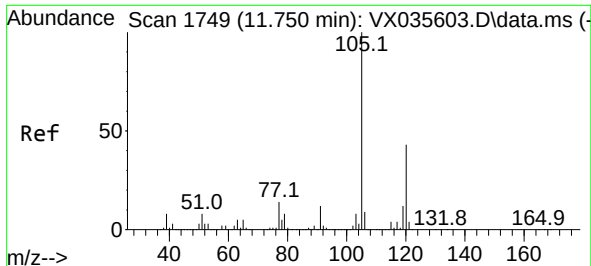
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#83
tert-Butylbenzene
Concen: 0.228 ug/l
RT: 11.707 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

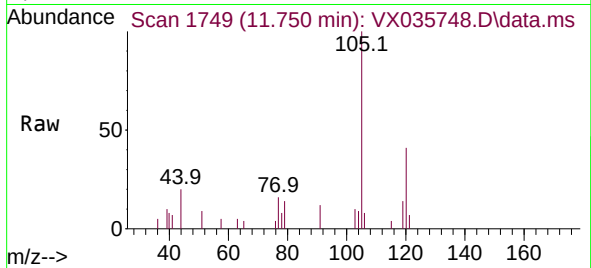
Tgt Ion:119 Resp: 2141
Ion Ratio Lower Upper
119 100
91 65.9 30.6 92.0
134 18.3 11.8 35.4





#84
1,2,4-Trimethylbenzene
Concen: 0.217 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

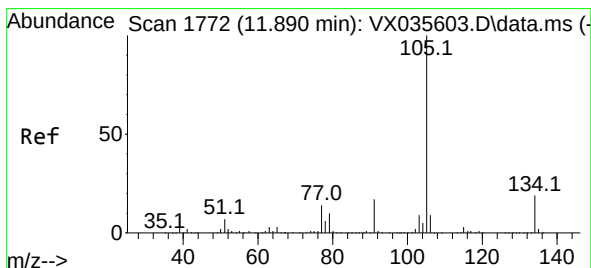
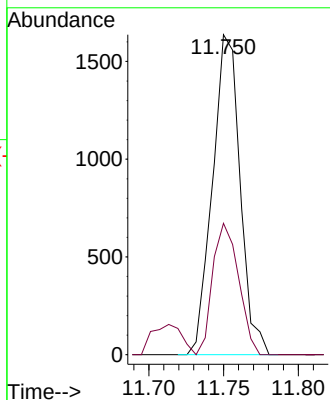
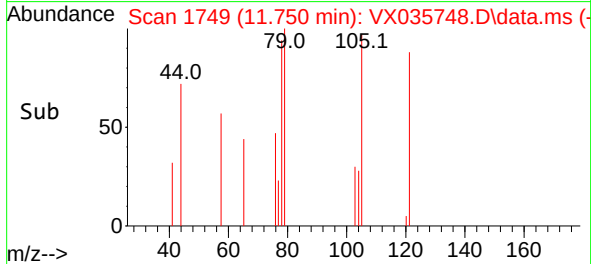
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT2-2023



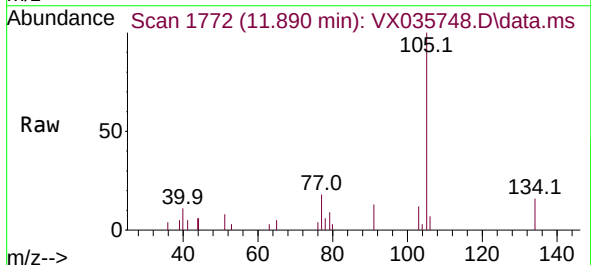
Tgt Ion:105 Resp: 210
Ion Ratio Lower Upper
105 100
120 38.6 22.4 67.0

Manual Integrations
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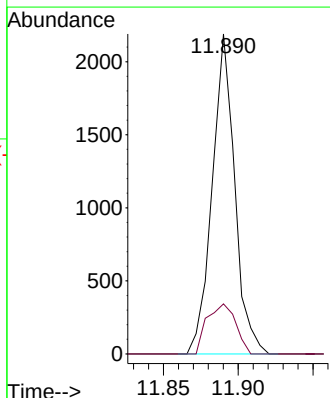
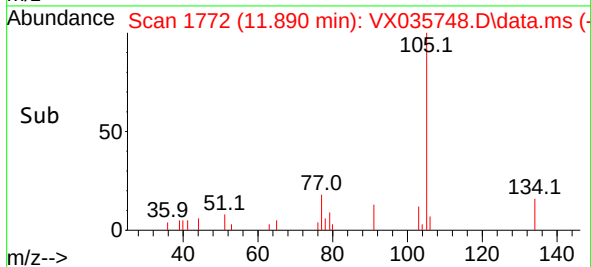
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

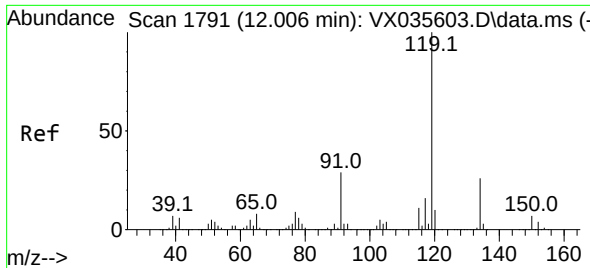


#85
sec-Butylbenzene
Concen: 0.194 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



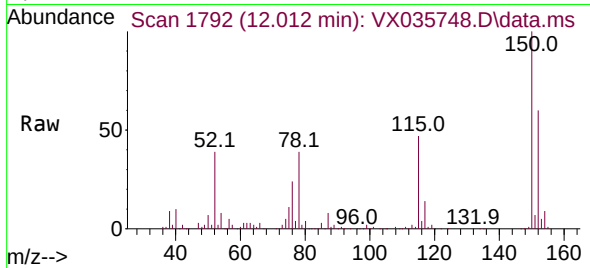
Tgt Ion:105 Resp: 2290
Ion Ratio Lower Upper
105 100
134 19.8 10.2 30.4





#86
p-Isopropyltoluene
Concen: 0.191 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

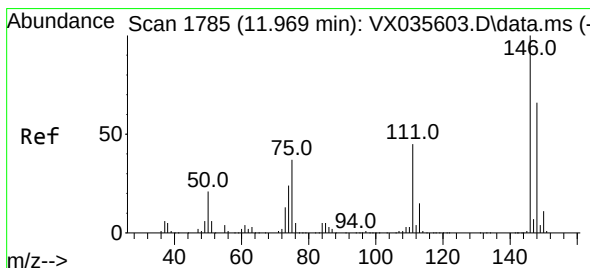
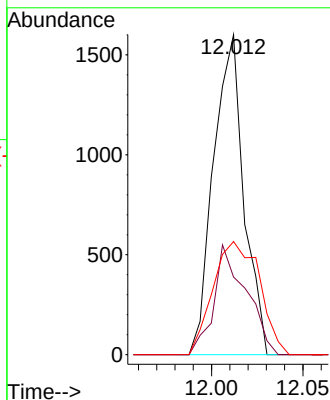
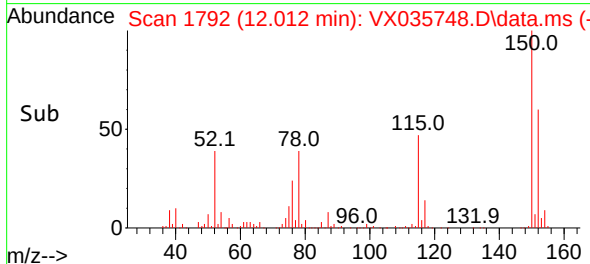
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



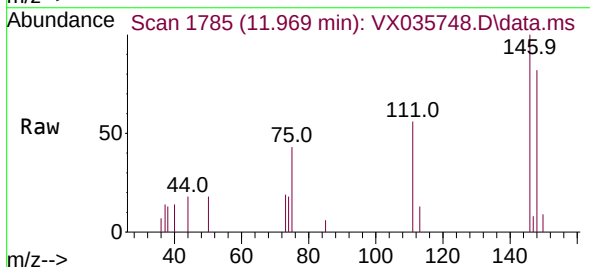
Tgt Ion:119 Resp: 184
Ion Ratio Lower Upper
119 100
134 36.7 13.2 39.5
91 54.3 12.9 38.7

Manual Integrations
APPROVED

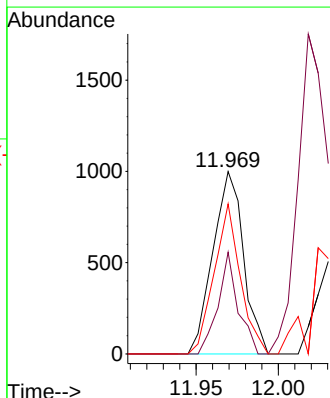
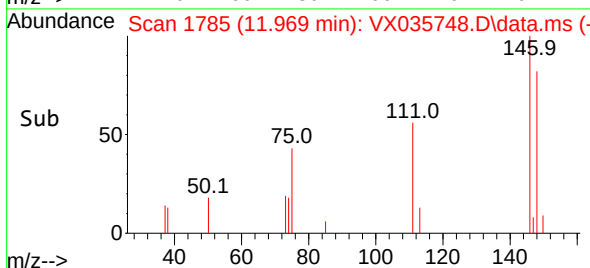
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

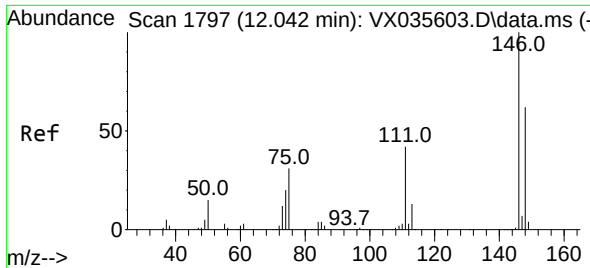


#87
1,3-Dichlorobenzene
Concen: 0.264 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



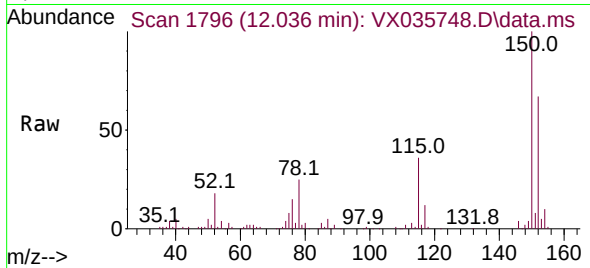
Tgt Ion:146 Resp: 1293
Ion Ratio Lower Upper
146 100
111 36.6 20.9 62.8
148 70.5 31.6 95.0





#88
1,4-Dichlorobenzene
Concen: 0.308 ug/l m
RT: 12.036 min Scan# 1797
Delta R.T. -0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

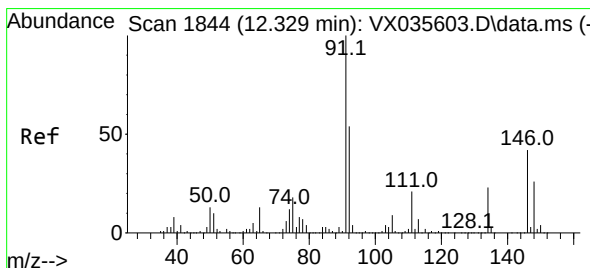
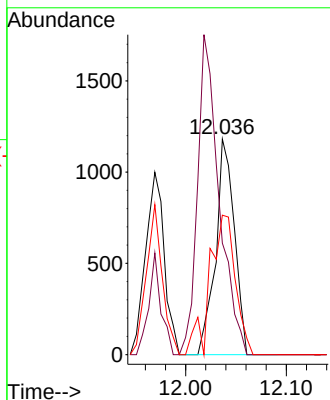
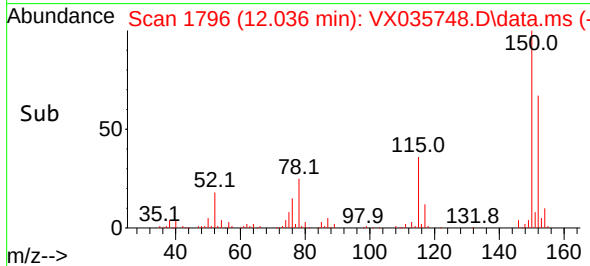
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



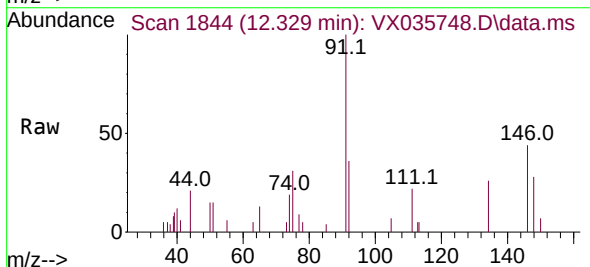
Tgt Ion:146 Resp: 152
Ion Ratio Lower Upper
146 100
111 31.0 20.6 61.9
148 59.8 31.8 95.4

Manual Integrations
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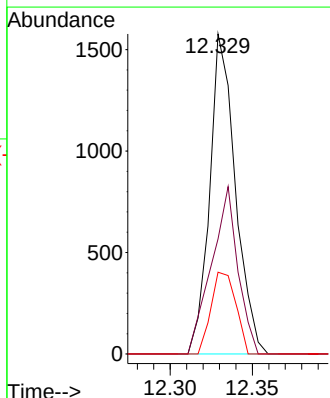
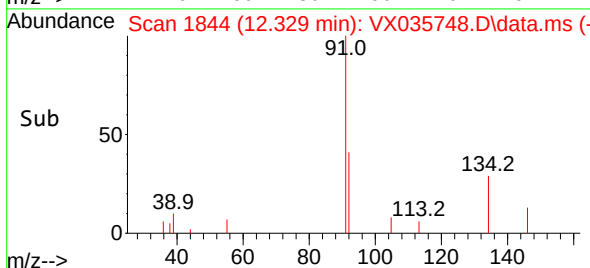
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

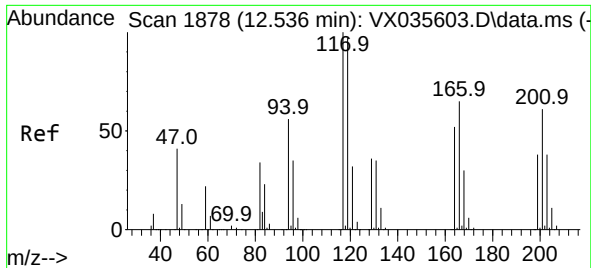


#89
n-Butylbenzene
Concen: 0.195 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



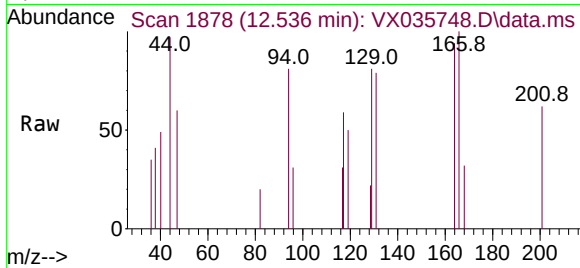
Tgt Ion: 91 Resp: 1717
Ion Ratio Lower Upper
91 100
92 53.5 27.7 83.0
134 24.6 13.0 38.9





#90
Hexachloroethane
Concen: 0.132 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

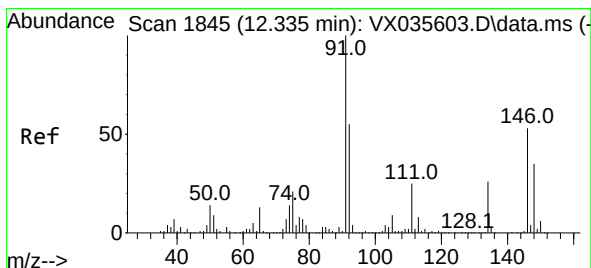
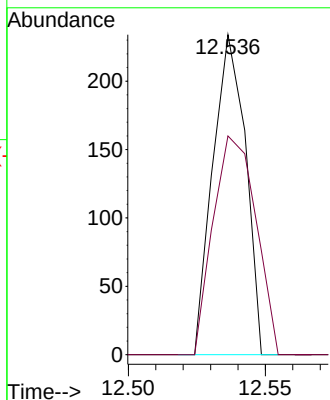
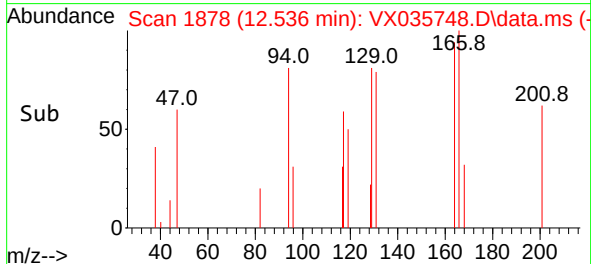
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



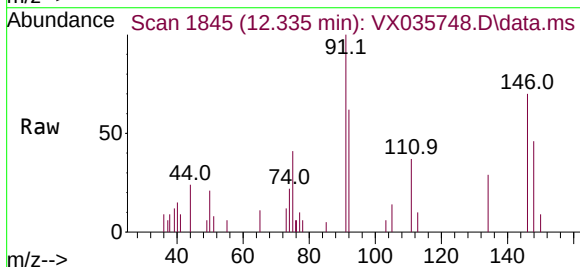
Tgt Ion:117 Resp: 194
Ion Ratio Lower Upper
117 100
201 89.2 34.4 103.1

Manual Integrations
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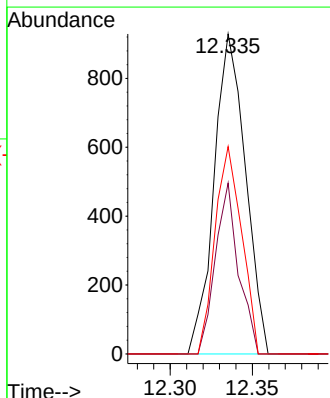
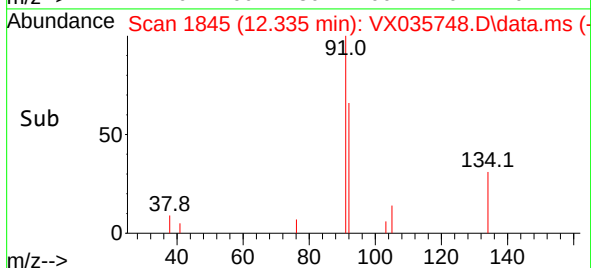
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

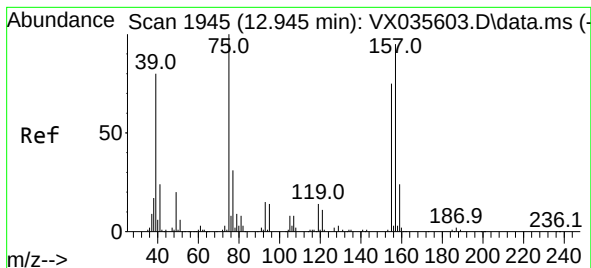


#91
1,2-Dichlorobenzene
Concen: 0.257 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



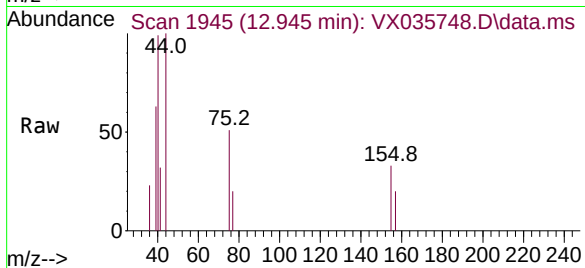
Tgt Ion:146 Resp: 1234
Ion Ratio Lower Upper
146 100
111 39.3 22.0 66.0
148 54.8 32.0 96.0





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.154 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

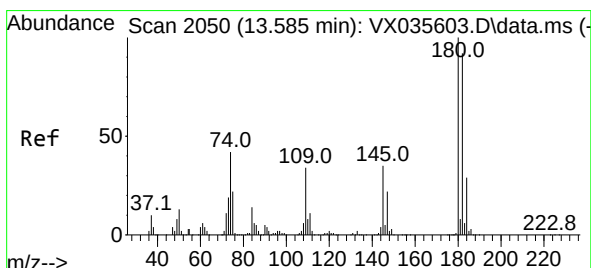
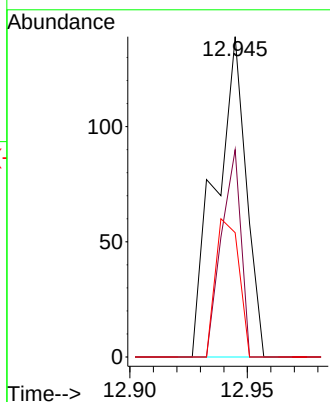
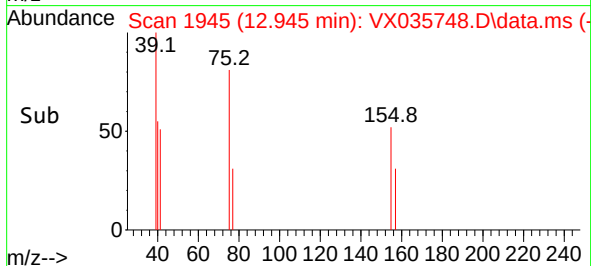
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT2-2023



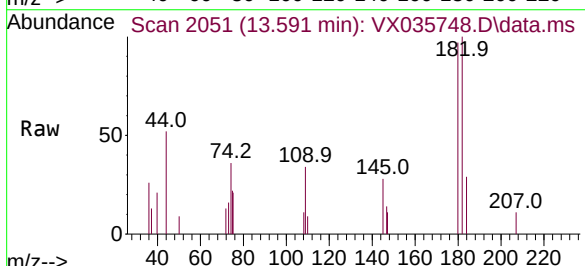
Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
155 41.3 38.4 115.1
157 33.3 49.9 149.7

Manual Integrations
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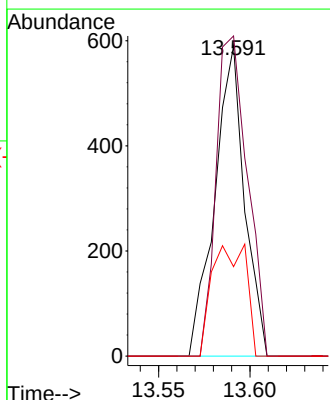
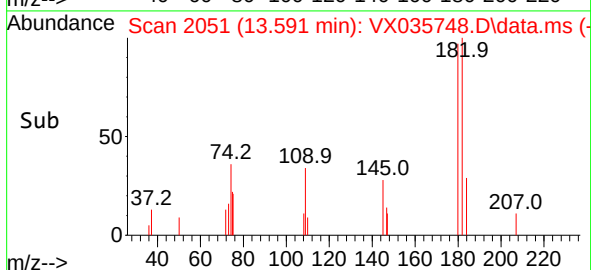
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023

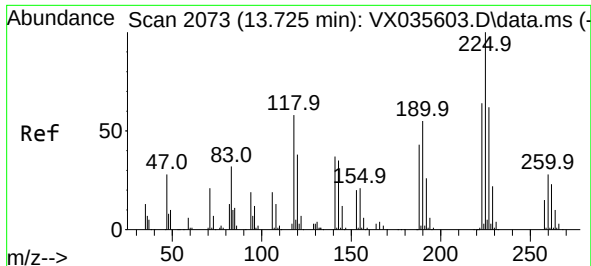


#93
1,2,4-Trichlorobenzene
Concen: 0.232 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32



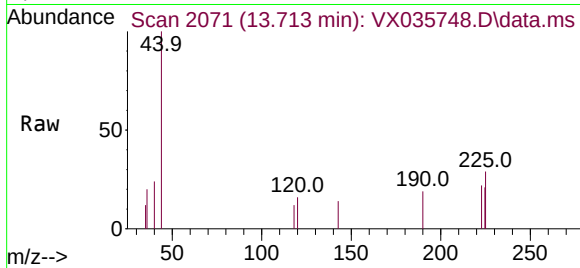
Tgt Ion:180 Resp: 671
Ion Ratio Lower Upper
180 100
182 108.0 47.0 141.0
145 41.0 15.9 47.7





#94
Hexachlorobutadiene
Concen: 0.260 ug/l
RT: 13.713 min Scan# 2071
Delta R.T. -0.012 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

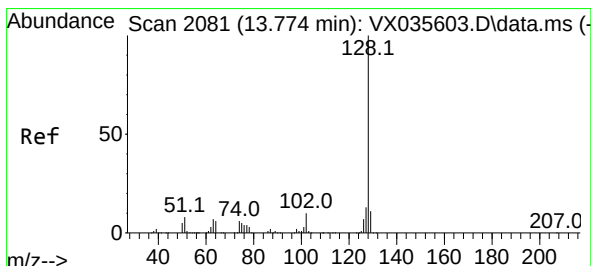
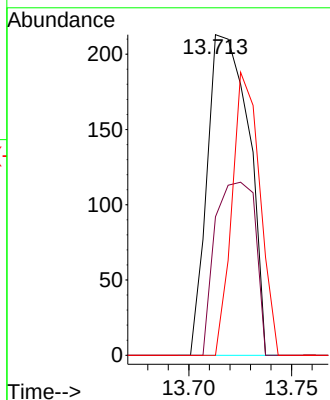
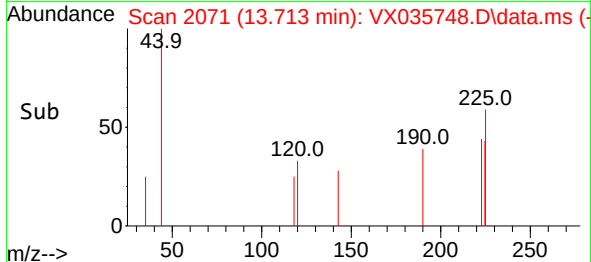
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:225 Resp: 298
Ion Ratio Lower Upper
225 100
223 52.7 32.1 96.5
227 59.1 31.8 95.4

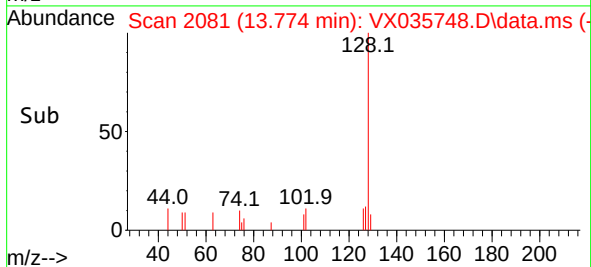
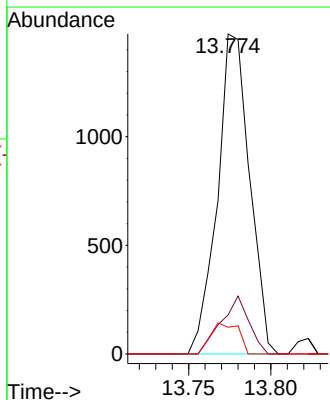
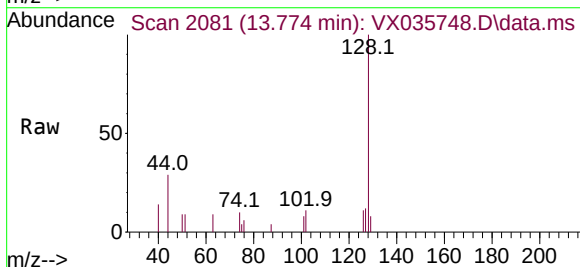
Manual Integrations
APPROVED

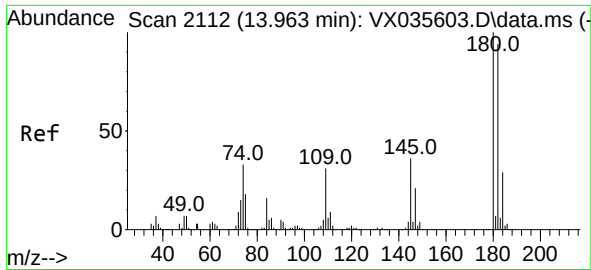
Reviewed By :John Carlone 05/19/2023
Supervised By :Mahesh Dadoda 05/19/2023



#95
Naphthalene
Concen: 0.203 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035748.D
Acq: 18 May 2023 17:32

Tgt Ion:128 Resp: 2010
Ion Ratio Lower Upper
128 100
127 15.7 10.2 15.4#
129 8.5 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.294 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX035748.D

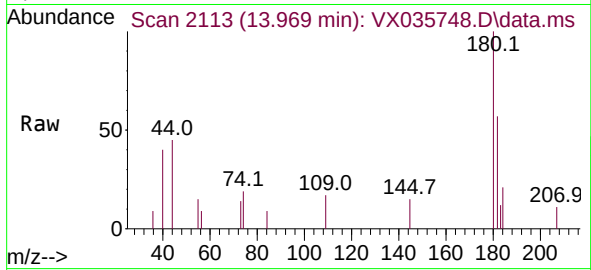
Acq: 18 May 2023 17:32

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion:180 Resp: 830

Ion Ratio Lower Upper

180 100

182 66.5 48.0 144.2

145 29.1 17.7 53.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/19/2023

Supervised By :Mahesh Dadoda 05/19/2023

